

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033958.D
 Acq On : 26 Aug 2019 18:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:10 PM

Quant Time: Aug 27 06:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	456616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	755050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	745705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	407629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	923348	135.43	ug/l	0.00
Spiked Amount			Recovery	=	270.86%	
35) Dibromofluoromethane	4.85	113	727650	152.56	ug/l	0.00
Spiked Amount			Recovery	=	305.12%	
50) Toluene-d8	7.54	98	2768989	147.72	ug/l	0.00
Spiked Amount			Recovery	=	295.44%	
62) 4-Bromofluorobenzene	10.29	95	1111776	158.64	ug/l	0.00
Spiked Amount			Recovery	=	317.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	832666	138.603	ug/l	99
3) Chloromethane	1.32	50	924291	87.640	ug/l	100
4) Vinyl Chloride	1.39	62	1057331	132.889	ug/l	99
5) Bromomethane	1.59	94	433498	129.991	ug/l	97
6) Chloroethane	1.66	64	620012	136.402	ug/l	99
7) Trichlorofluoromethane	1.86	101	1203752	141.099	ug/l	99
8) Diethyl Ether	2.09	74	529344	134.296	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	706052	139.081	ug/l	99
10) Methyl Iodide	2.39	142	1129361	243.659	ug/l	100
11) Tert butyl alcohol	2.83	59	1171978	771.209	ug/l	100
12) 1,1-Dichloroethene	2.26	96	727707	143.840	ug/l	99
13) Acrolein	2.17	56	633308	548.858	ug/l	100
14) Allyl chloride	2.57	41	1479353	128.359	ug/l	90
15) Acrylonitrile	2.91	53	2832138	673.700	ug/l	99
16) Acetone	2.30	43	2546827	573.811	ug/l	98
17) Carbon Disulfide	2.45	76	2390489	132.355	ug/l	99
18) Methyl Acetate	2.59	43	1293485	115.259	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	2546307	134.975	ug/l	100
20) Methylene Chloride	2.68	84	856429	128.696	ug/l	99
21) trans-1,2-Dichloroethene	2.95	96	803752	140.956	ug/l	99
22) Diisopropyl ether	3.54	45	2751540	122.287	ug/l	92
23) Vinyl Acetate	3.50	43	12682360	677.643	ug/l	100
24) 1,1-Dichloroethane	3.41	63	1574961	131.391	ug/l	100
25) 2-Butanone	4.23	43	4013758	665.486	ug/l	100
26) 2,2-Dichloropropane	4.19	77	1276725	133.774	ug/l	100
27) cis-1,2-Dichloroethene	4.19	96	911034	142.269	ug/l	99
28) Bromochloromethane	4.51	49	768592	141.532	ug/l	99
29) Tetrahydrofuran	4.61	42	2505584	649.778	ug/l	100
30) Chloroform	4.64	83	1449342	137.152	ug/l	100
31) Cyclohexane	4.96	56	1419189	101.690	ug/l	99
32) 1,1,1-Trichloroethane	4.88	97	1259772	143.287	ug/l	99
36) 1,1-Dichloropropene	5.11	75	1163694	142.120	ug/l	100
37) Ethyl Acetate	4.35	43	1434410	137.582	ug/l	100
38) Carbon Tetrachloride	5.11	117	1091039	160.279	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	1426934	143.377	ug/l	100
40) Benzene	5.36	78	3396480	140.626	ug/l	100
41) Methacrylonitrile	4.51	41	798579	140.535	ug/l	98
42) 1,2-Dichloroethane	5.38	62	1217008	142.784	ug/l	100
43) Isopropyl Acetate	5.52	43	2264196	138.219	ug/l	99
44) Trichloroethene	6.16	130	868971	158.223	ug/l	98
45) 1,2-Dichloropropane	6.41	63	936263	138.951	ug/l	99
46) Dibromomethane	6.53	93	611004	150.504	ug/l	99
47) Bromodichloromethane	6.73	83	1213196	152.221	ug/l	98
48) Methyl methacrylate	6.60	41	1111156	137.284	ug/l	99
49) 1,4-Dioxane	6.59	88	472317	3490.314	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	7603792	726.135	ug/l	99
52) Toluene	7.61	92	2071541	145.195	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	1478690	158.003	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	1545885	152.067	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	860953	151.724	ug/l	99
56) Ethyl methacrylate	8.00	69	1539888	161.681	ug/l	98
57) 1,3-Dichloropropane	8.22	76	1560775	148.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	3061537	653.867	ug/l	100
59) 2-Hexanone	8.35	43	5991456	723.403	ug/l	98
60) Dibromochloromethane	8.46	129	975343	172.301	ug/l	100
61) 1,2-Dibromoethane	8.57	107	947738	158.727	ug/l	98
64) Tetrachloroethene	8.21	164	714285	142.512	ug/l	99
65) Chlorobenzene	9.10	112	2305766	146.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	867999	169.049	ug/l	99
67) Ethyl Benzene	9.23	91	4128567	143.272	ug/l	100
68) m/p-Xylenes	9.36	106	3100029	294.914	ug/l	99
69) o-Xylene	9.76	106	1522868	149.478	ug/l	100
70) Styrene	9.77	104	2705731	158.587	ug/l	99
71) Bromoform	9.94	173	800685	183.353	ug/l #	99
73) Isopropylbenzene	10.15	105	4146139	135.428	ug/l	99
74) N-amyl acetate	10.00	43	2142061	125.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1574240	133.954	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	1395831m	136.598	ug/l	
77) Bromobenzene	10.43	156	1046903	144.781	ug/l	99
78) n-propylbenzene	10.57	91	4982846	131.619	ug/l	100
79) 2-Chlorotoluene	10.64	91	2864057	131.306	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	3607541	141.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	592634m	133.075	ug/l	
82) 4-Chlorotoluene	10.75	91	3445265	132.902	ug/l	100
83) tert-Butylbenzene	11.08	119	3530625	144.456	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	3634896	139.068	ug/l	100
85) sec-Butylbenzene	11.30	105	4355372	139.470	ug/l	99
86) p-Isopropyltoluene	11.46	119	4008409	149.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1960472	143.433	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1926965	136.541	ug/l	99
89) n-Butylbenzene	11.87	91	3837233	142.770	ug/l	99
90) Hexachloroethane	12.12	117	738616	177.151	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1912314	140.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	384939	151.389	ug/l	95

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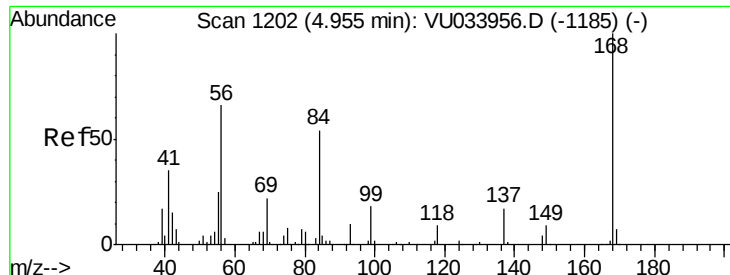
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	1414632	145.251	ug/l	99
94) Hexachlorobutadiene	13.67	225	717148	157.209	ug/l	99
95) Naphthalene	13.73	128	4328765	135.625	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	1372642	140.584	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 456616

Ion Ratio Lower Upper

168 100

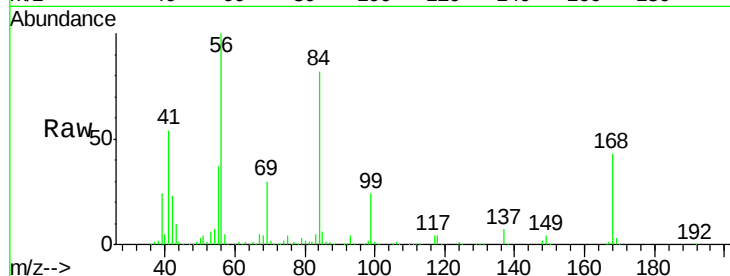
99 56.6 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033958.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033958.D (-1185) (-)

4.95

300000

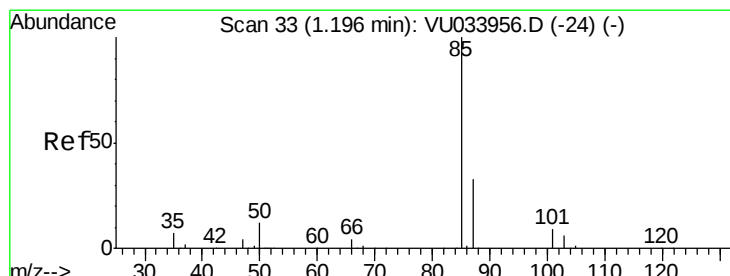
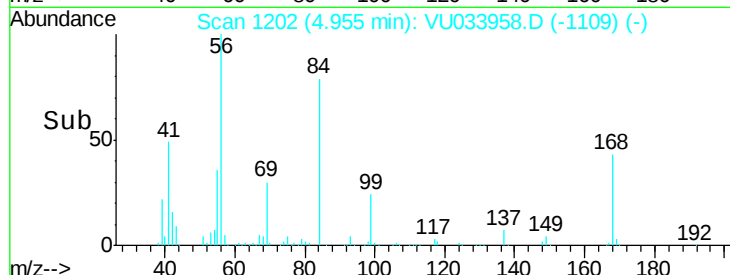
200000

100000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 138.603 ug/l

RT: 1.19 min Scan# 32

Delta R.T. -0.00 min

Lab File: VU033958.D

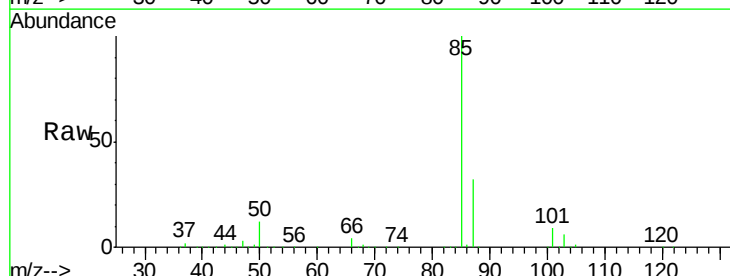
Acq: 26 Aug 2019 18:37

Tgt Ion: 85 Resp: 832666

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033958.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033958.D (-1) (-)

1.19

800000

600000

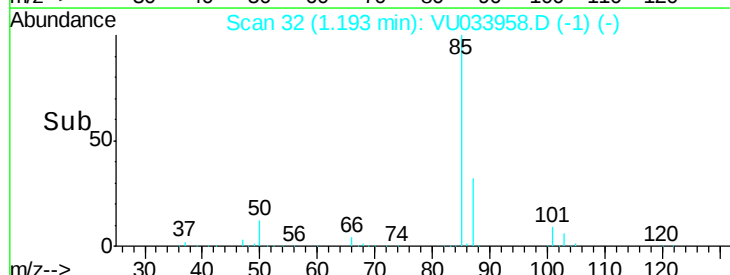
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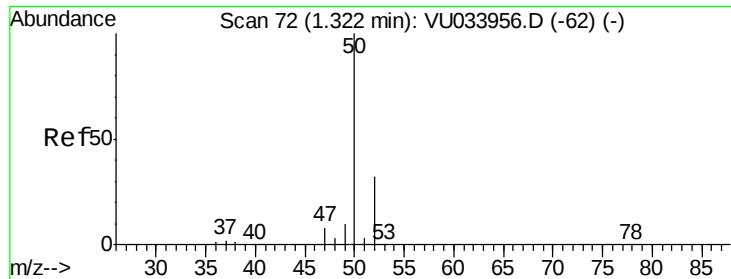
200000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 87.640 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 924291

Ion Ratio Lower Upper

50 100

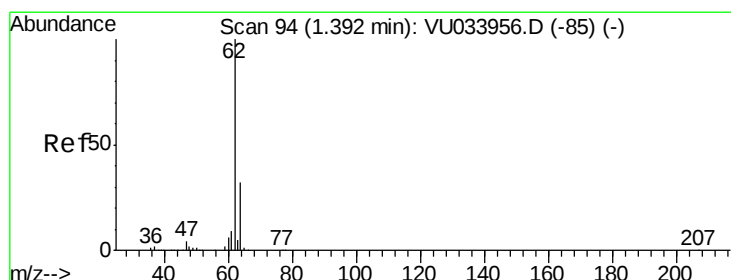
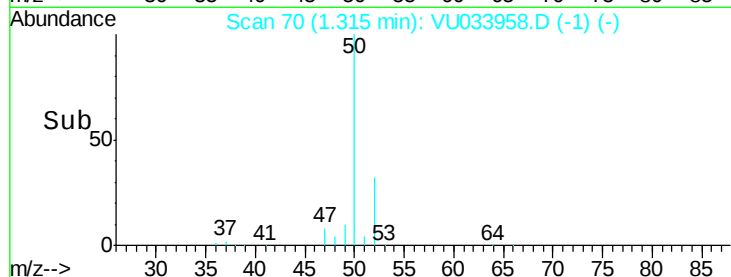
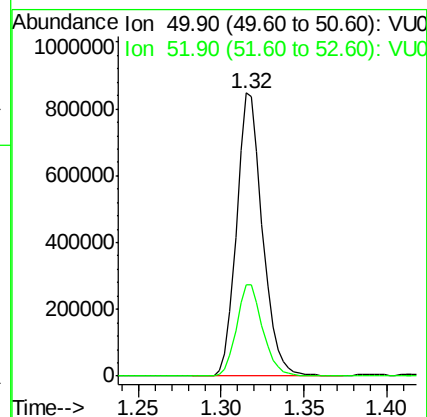
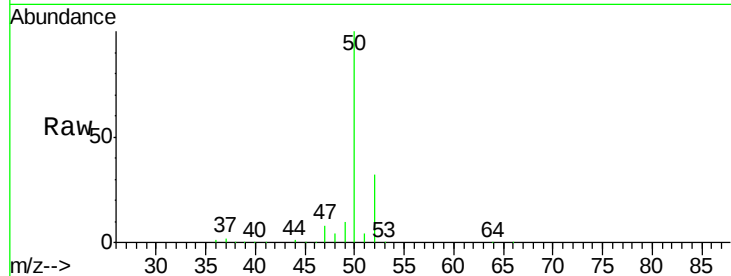
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 132.889 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033958.D

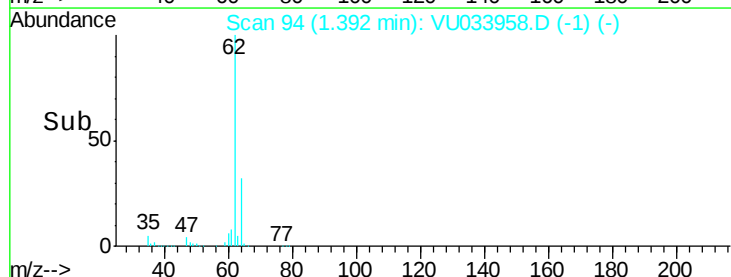
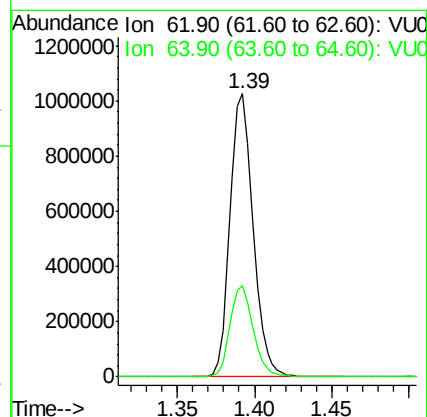
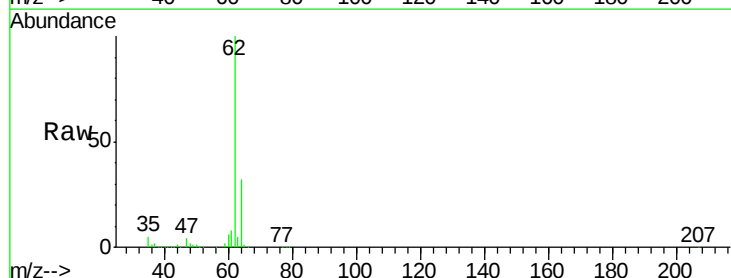
Acq: 26 Aug 2019 18:37

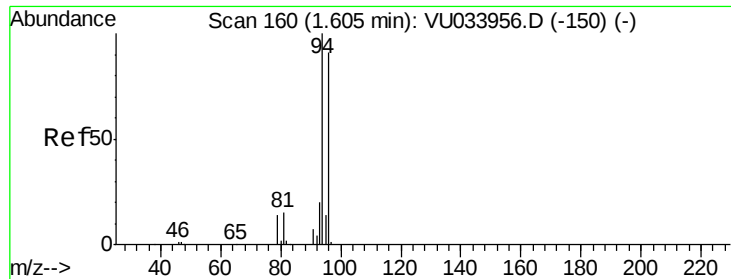
Tgt Ion: 62 Resp: 1057331

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 129.991 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 433498

Ion Ratio Lower Upper

94 100

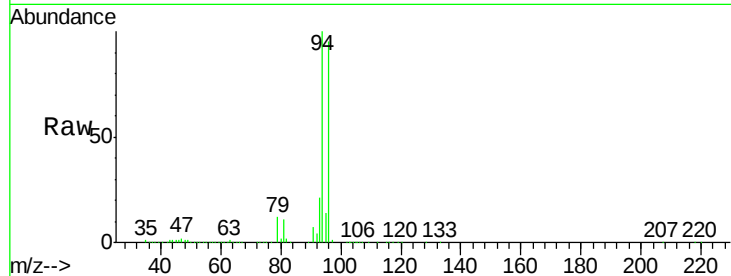
96 94.6 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033958.D (-67) (-)

1.59

500000

400000

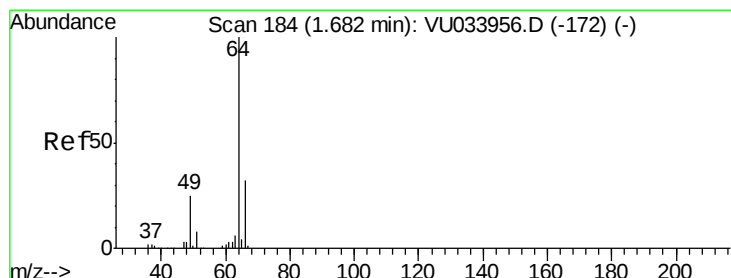
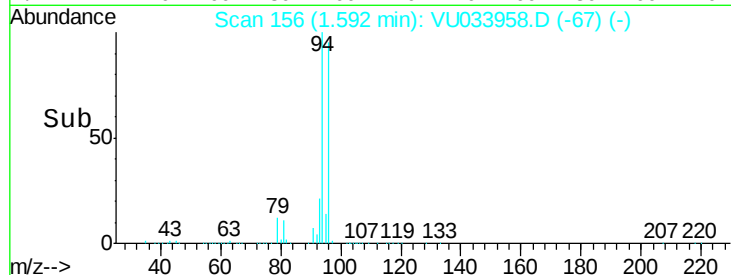
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 136.402 ug/l

RT: 1.66 min Scan# 177

Delta R.T. -0.02 min

Lab File: VU033958.D

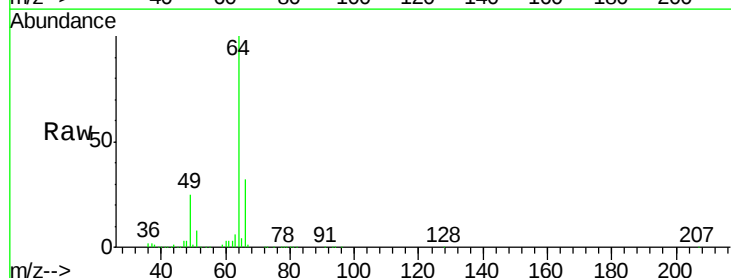
Acq: 26 Aug 2019 18:37

Tgt Ion: 64 Resp: 620012

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033956.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033958.D (-91) (-)

1.66

500000

400000

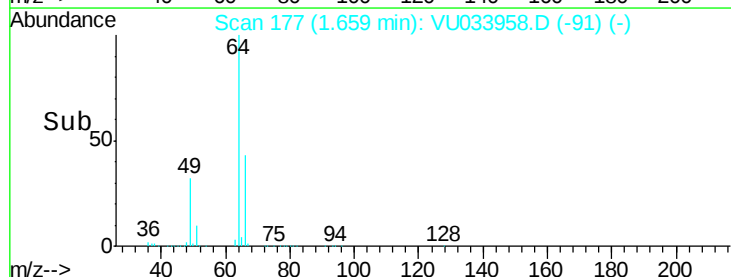
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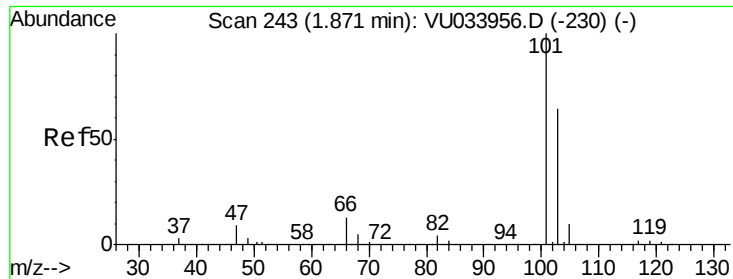
200000

100000

0

Time-->





#7

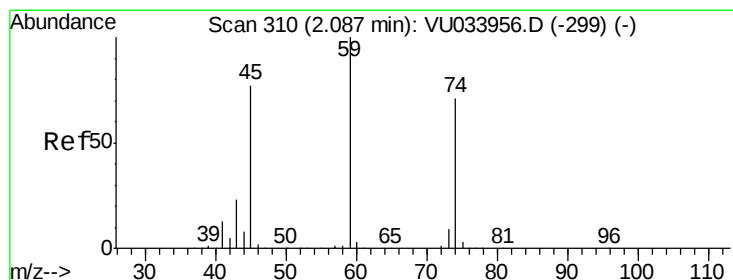
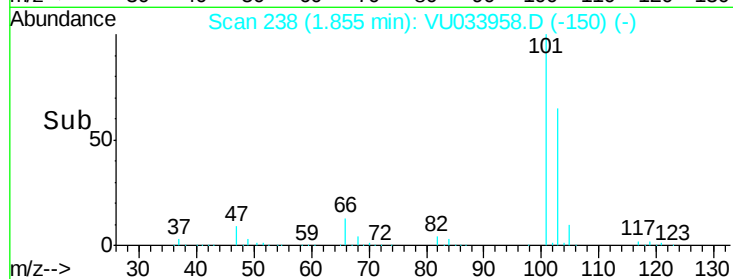
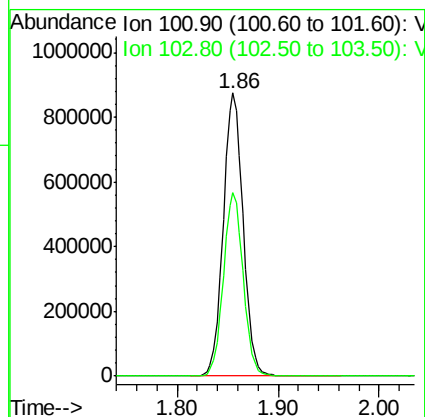
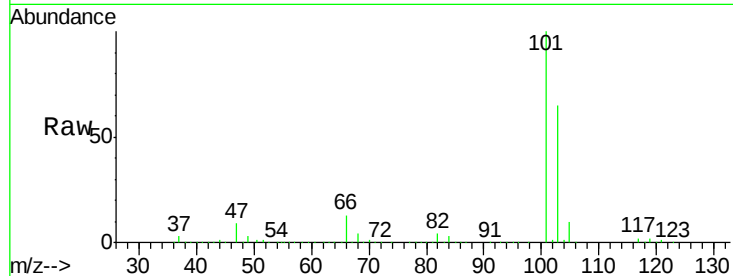
Trichlorofluoromethane
 Concen: 141.099 ug/l
 RT: 1.86 min Scan# 238
 Delta R.T. -0.02 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

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 VSTDIC150

Tot Ion:101 Resp: 1203752
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.5 77.3

Manual Integrations
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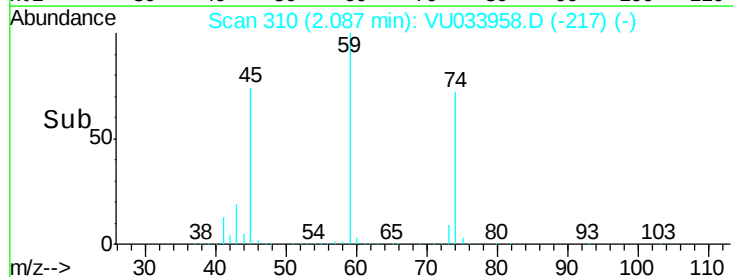
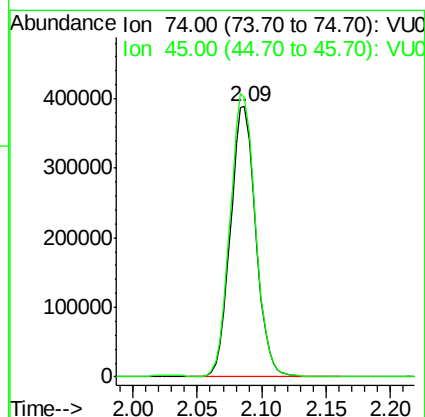
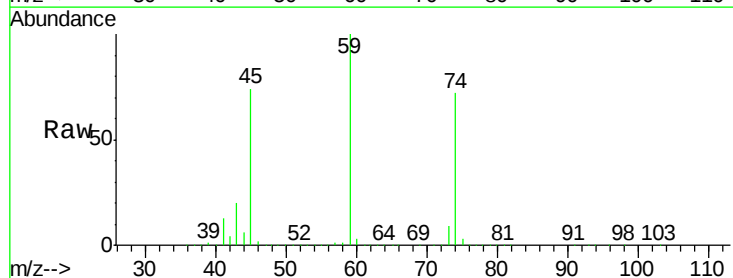
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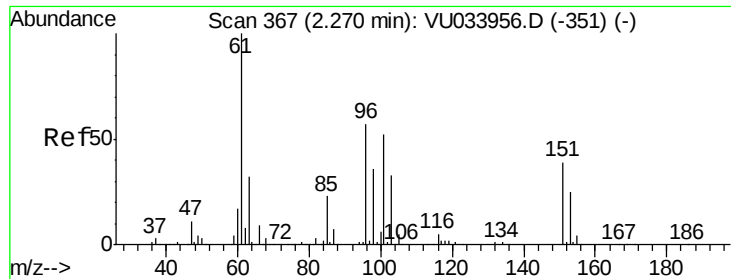


#8

Diethyl Ether
 Concen: 134.296 ug/l
 RT: 2.09 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 74 Resp: 529344
 Ion Ratio Lower Upper
 74 100
 45 105.2 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.081 ug/l

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

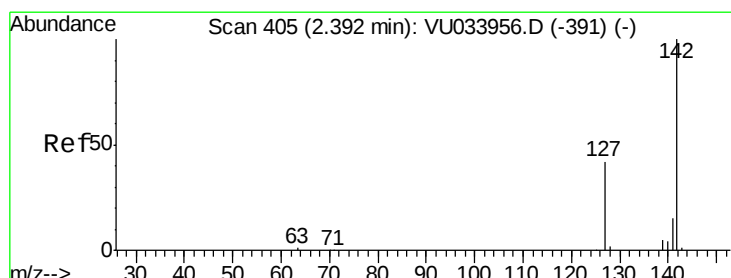
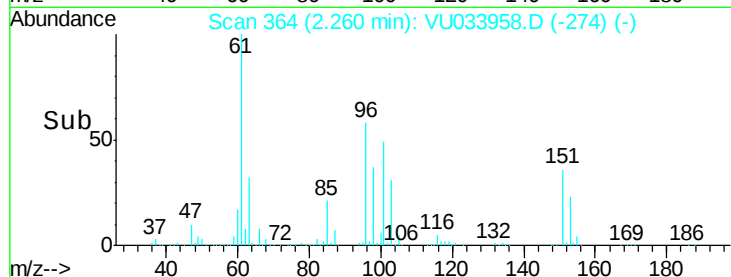
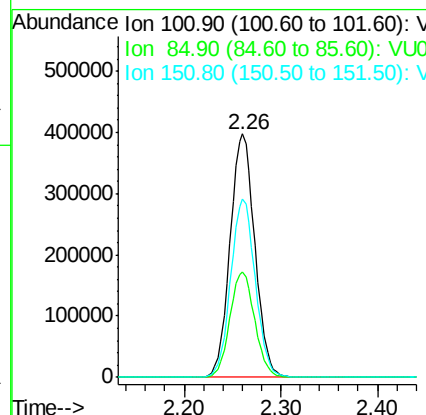
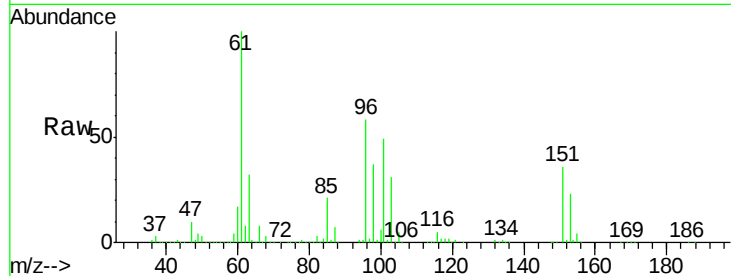
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	706052
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.6
151	72.8	57.9	86.9

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#10

Methyl Iodide

Concen: 243.659 ug/l

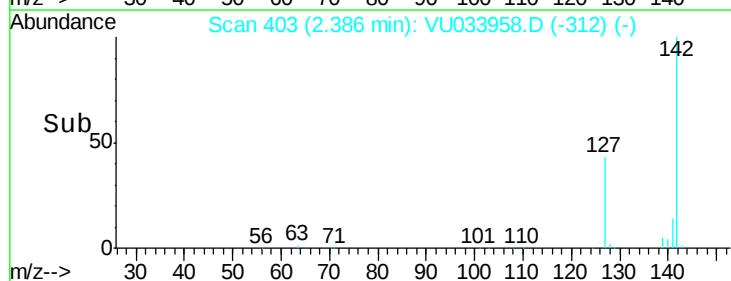
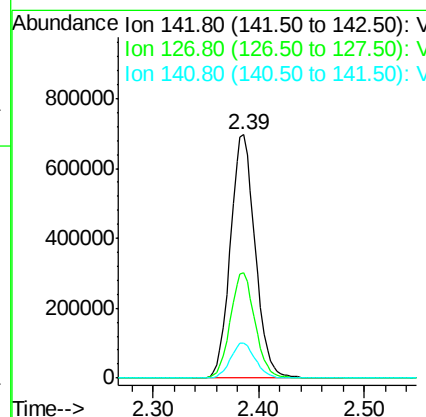
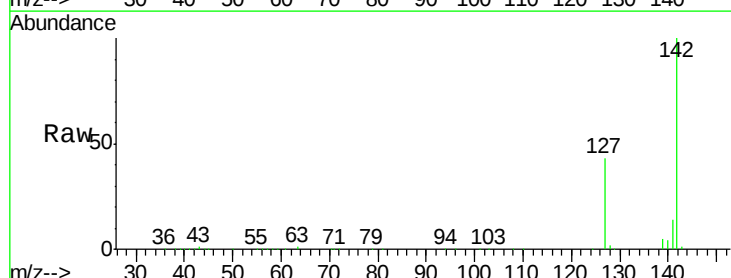
RT: 2.39 min Scan# 403

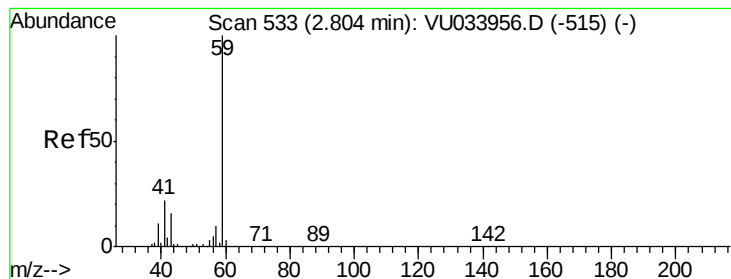
Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion:	142	Resp:	1129361
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.3	51.5
141	14.5	11.8	17.6





#11

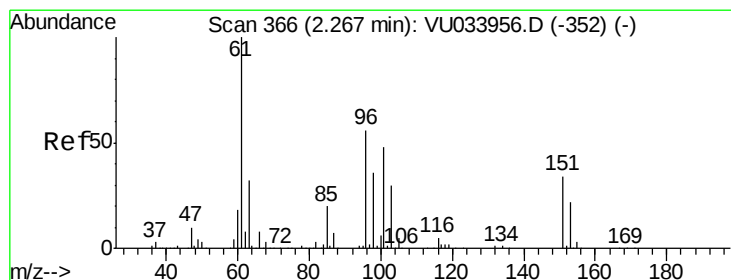
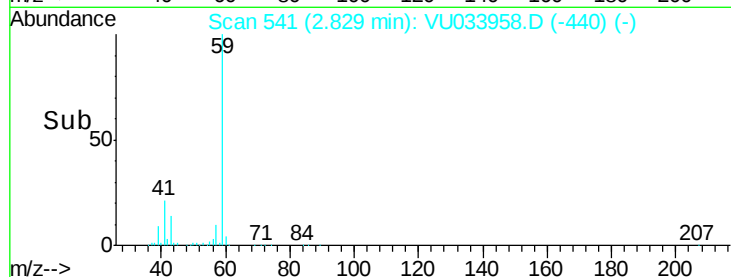
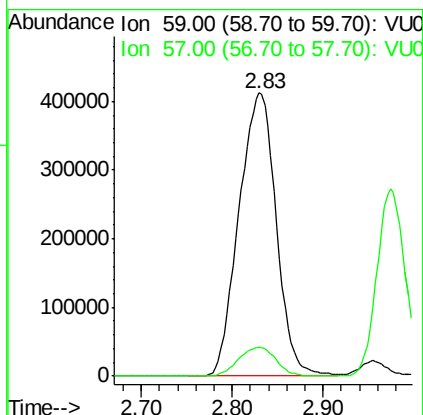
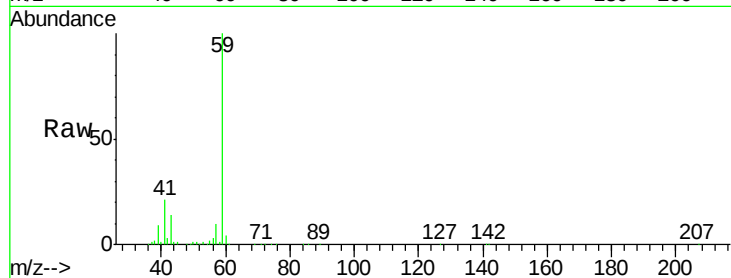
Tert butyl alcohol
Concen: 771.209 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.03 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 1171978
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

Manual Integrations
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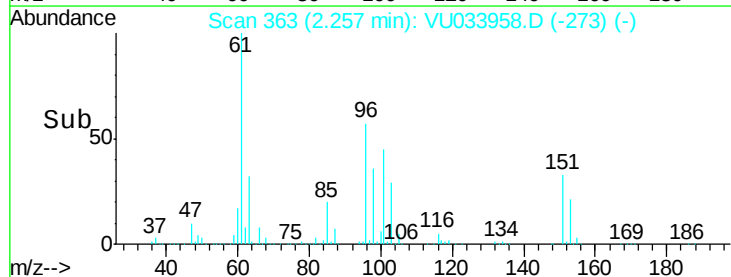
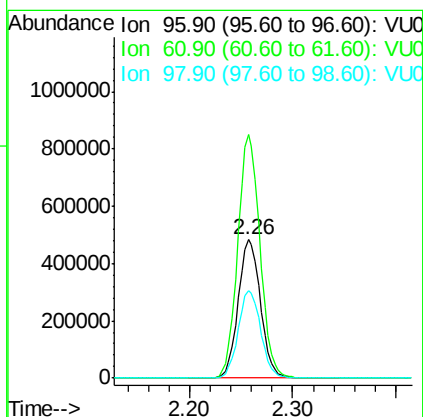
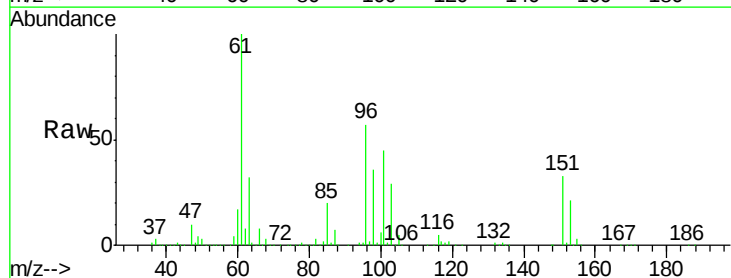
MMDadoda
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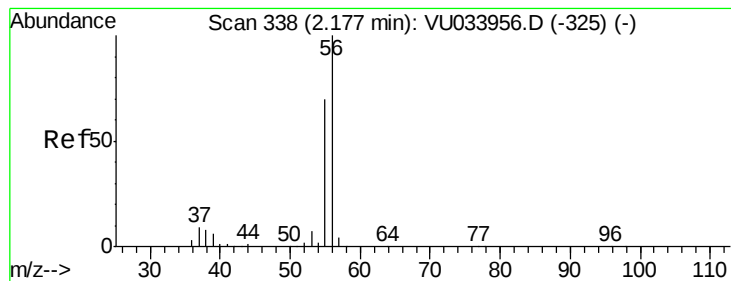


#12

1,1-Dichloroethene
Concen: 143.840 ug/l
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 96 Resp: 727707
Ion Ratio Lower Upper
96 100
61 176.2 142.3 213.5
98 63.5 51.0 76.6





#13

Acrolein

Concen: 548.858 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 633308

Ion Ratio Lower Upper

56 100

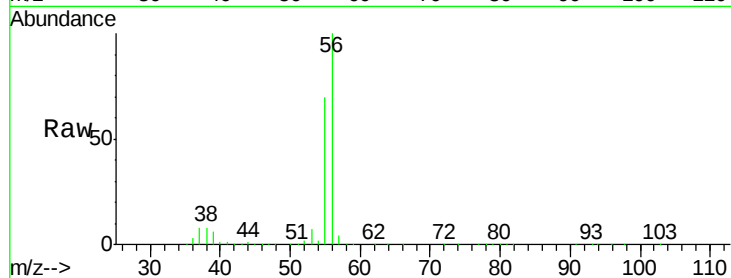
55 70.6 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-325) (-)

Ion 55.00 (54.70 to 55.70): VU033956.D (-325) (-)

2.17

400000

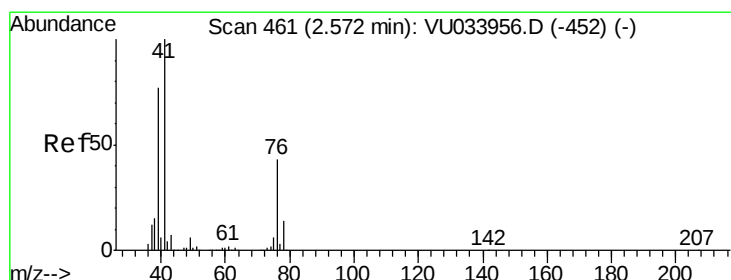
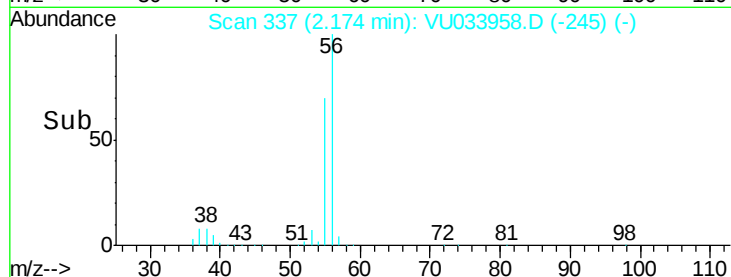
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 128.359 ug/l

RT: 2.57 min Scan# 459

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

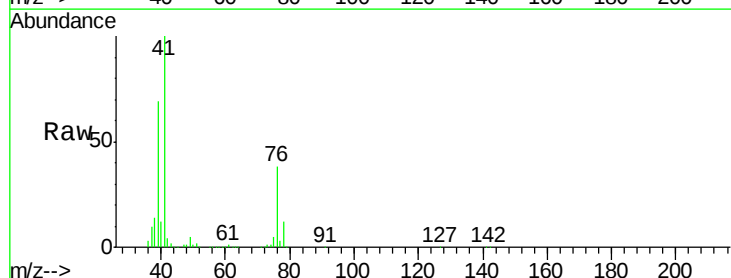
Tgt Ion: 41 Resp: 1479353

Ion Ratio Lower Upper

41 100

39 61.1 56.4 84.6

76 32.7 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VU033956.D (-452) (-)

Ion 39.00 (38.70 to 39.70): VU033956.D (-452) (-)

Ion 75.90 (75.60 to 76.60): VU033956.D (-452) (-)

2000000

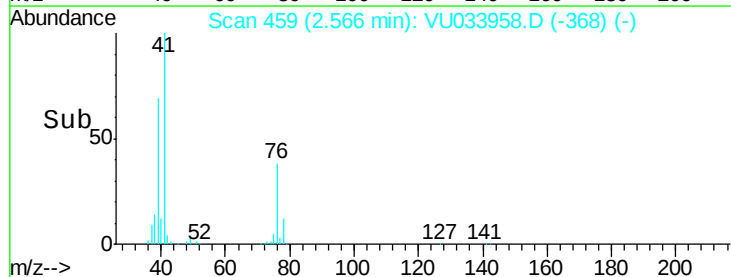
1500000

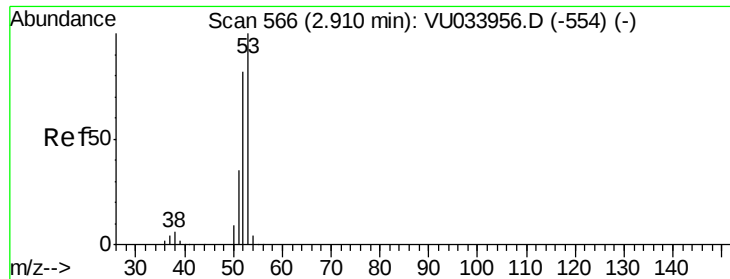
1000000

500000

0

Time-->





#15

Acrylonitrile

Concen: 673.700 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2832138

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

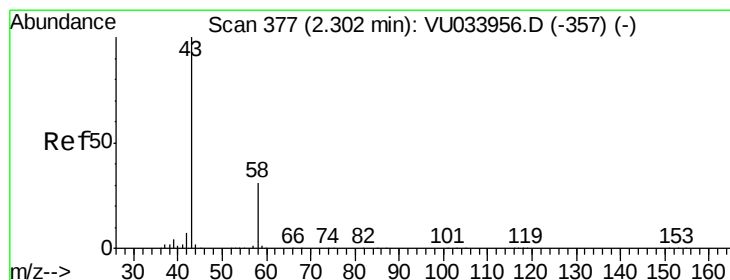
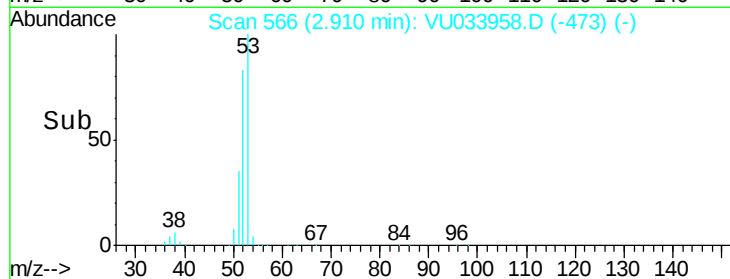
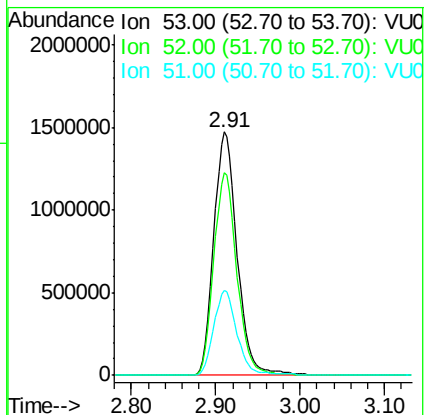
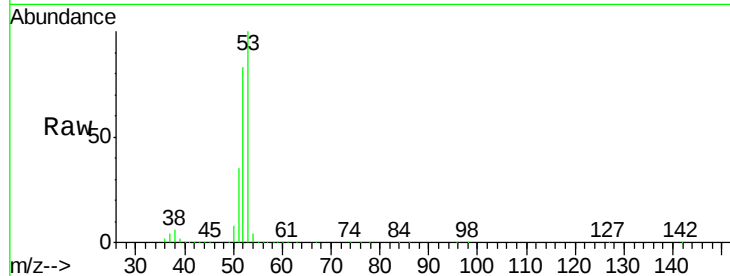
51 35.1 28.6 43.0

Manual Integrations

APPROVED

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#16

Acetone

Concen: 573.811 ug/l

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033958.D

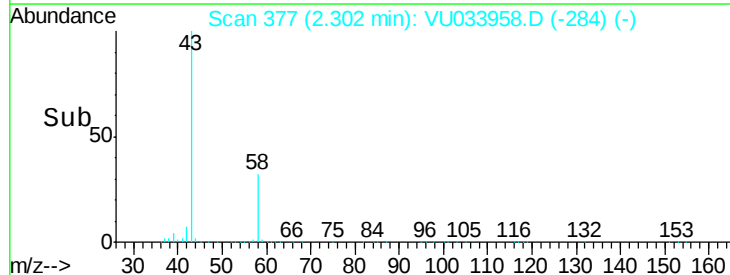
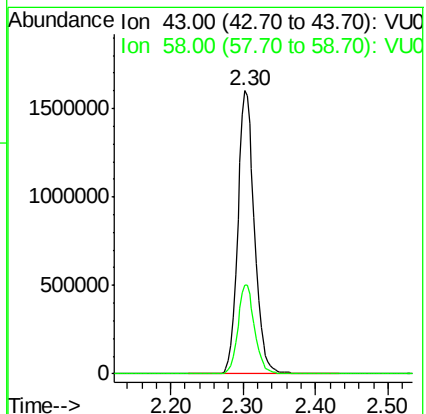
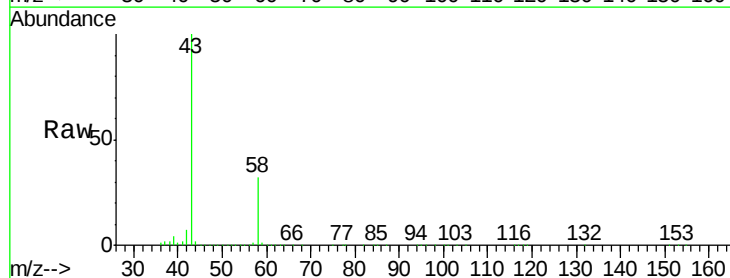
Acq: 26 Aug 2019 18:37

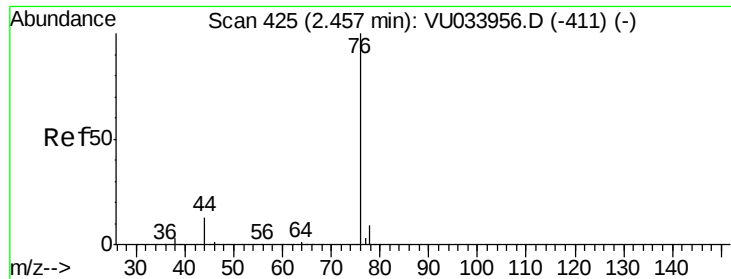
Tgt Ion: 43 Resp: 2546827

Ion Ratio Lower Upper

43 100

58 31.5 24.5 36.7





#17

Carbon Disulfide

Concen: 132.355 ug/l

RT: 2.45 min Scan# 423

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2390489

Ion Ratio Lower Upper

76 100

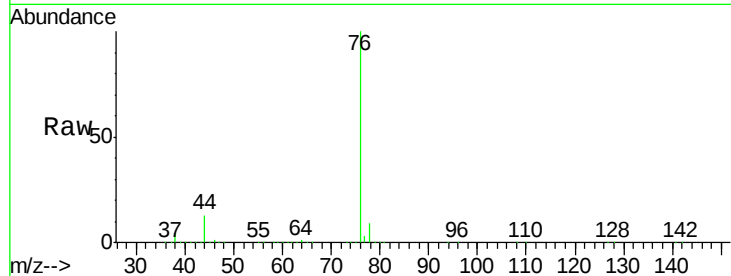
78 9.2 7.0 10.4

Manual Integrations

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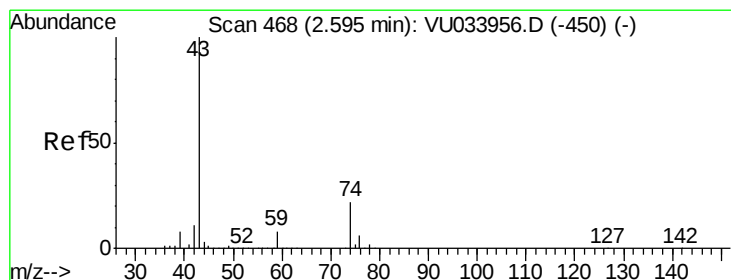
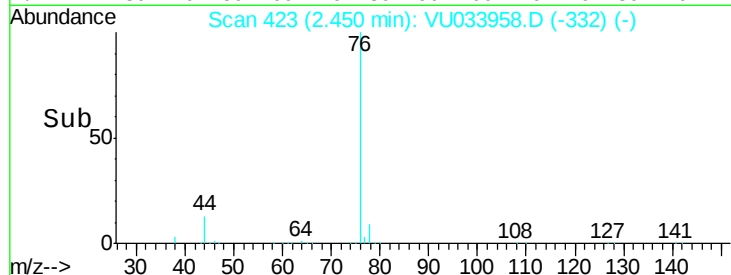
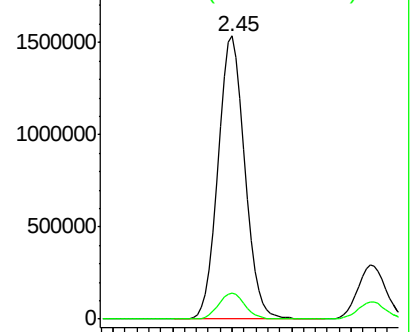
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Abundance Ion 75.90 (75.60 to 76.60): VU033956.D (-411) (-)

Ion 77.90 (77.60 to 78.60): VU033958.D (-332) (-)



#18

Methyl Acetate

Concen: 115.259 ug/l

RT: 2.59 min Scan# 468

Delta R.T. -0.00 min

Lab File: VU033958.D

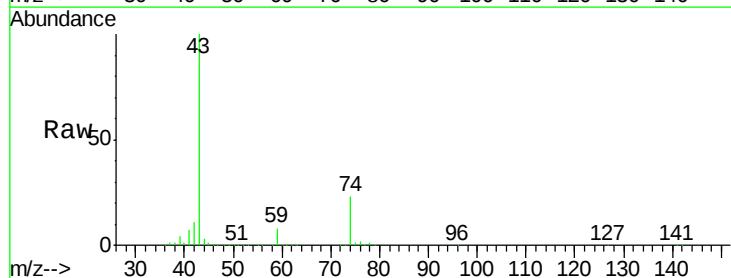
Acq: 26 Aug 2019 18:37

Tgt Ion: 43 Resp: 1293485

Ion Ratio Lower Upper

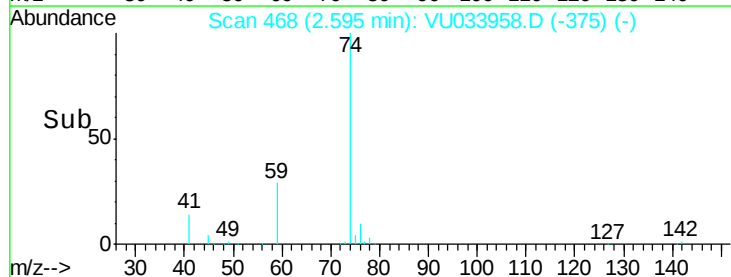
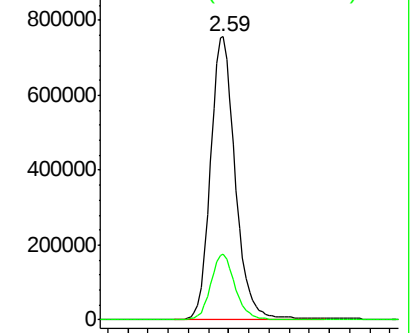
43 100

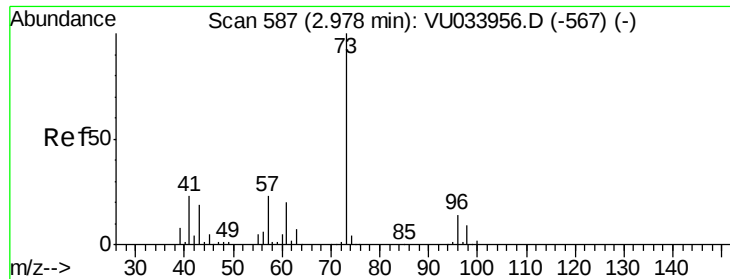
74 23.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-450) (-)

Ion 74.00 (73.70 to 74.70): VU033958.D (-375) (-)





#19

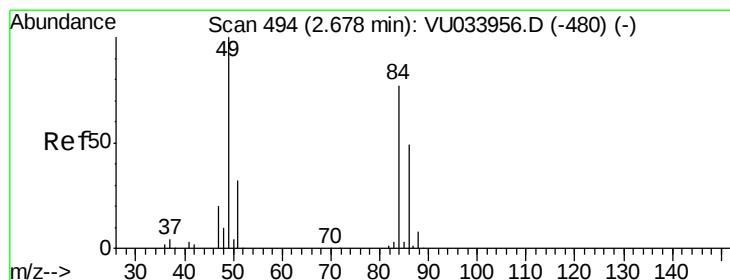
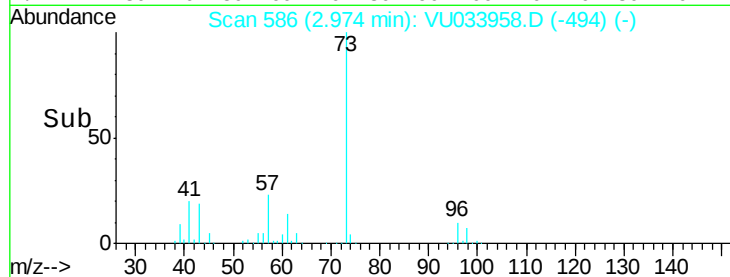
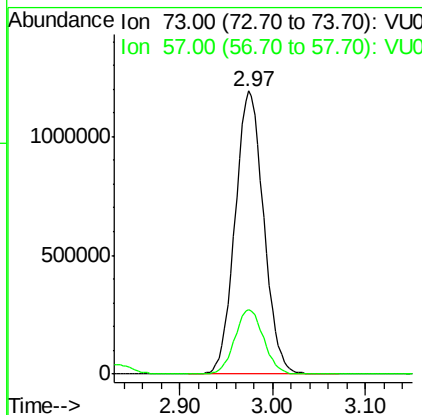
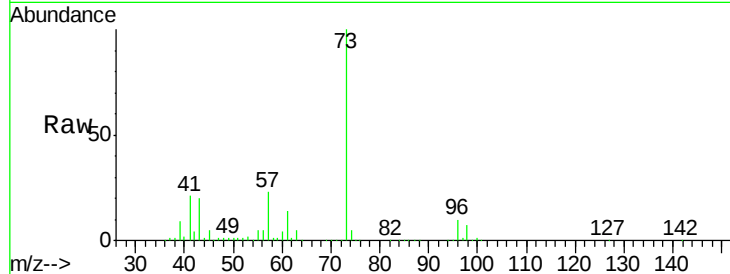
Methyl tert-butyl Ether
 Concen: 134.975 ug/l
 RT: 2.97 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC150

Tot Ion: 73 Resp: 2546307
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.3 27.5

Manual Integrations
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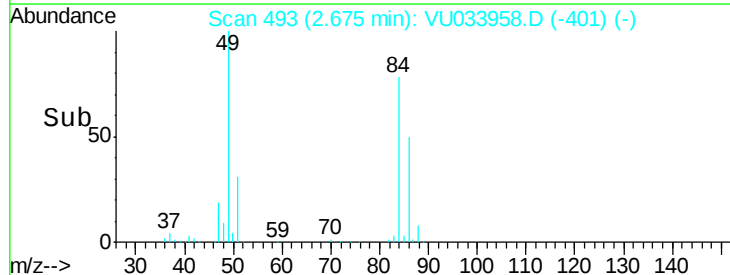
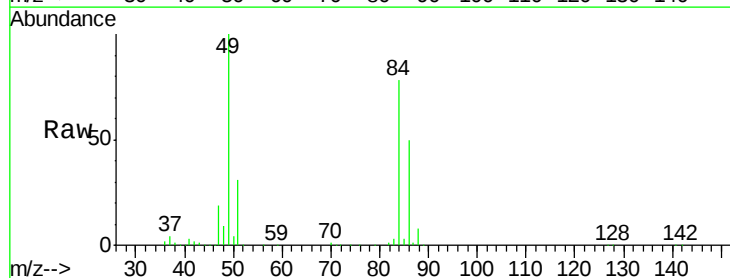
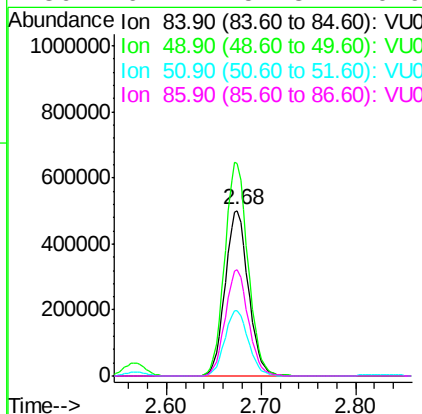
MMDadoda
 8/27/2019 12:17:10 PM

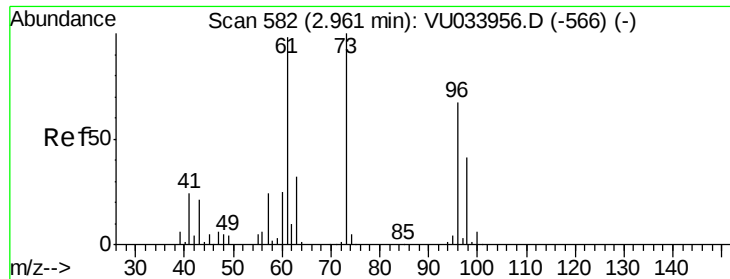


#20

Methylene Chloride
 Concen: 128.696 ug/l
 RT: 2.68 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 84 Resp: 856429
 Ion Ratio Lower Upper
 84 100
 49 128.7 104.1 156.1
 51 39.6 33.0 49.6
 86 64.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 140.956 ug/l

RT: 2.95 min Scan# 580

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 803752

Ion Ratio Lower Upper

96 100

61 148.8 117.8 176.8

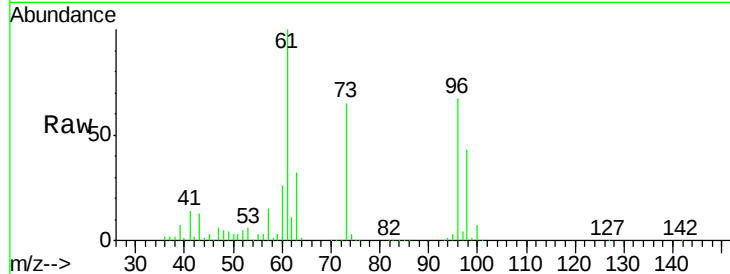
98 63.9 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

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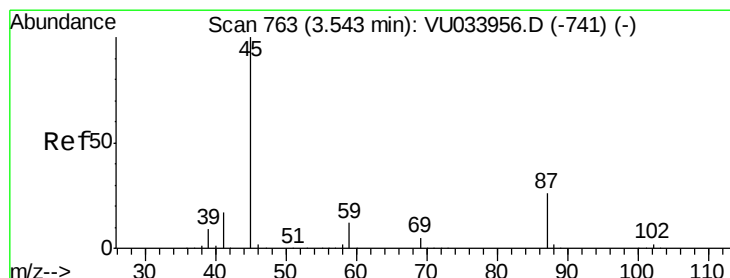
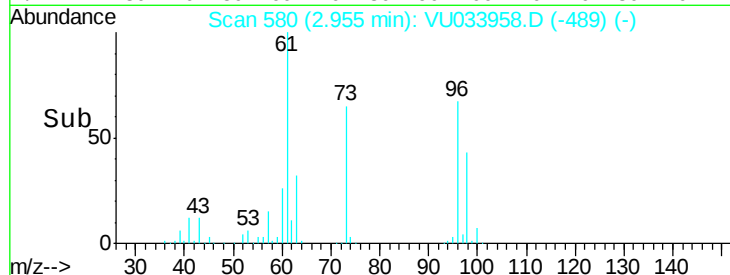
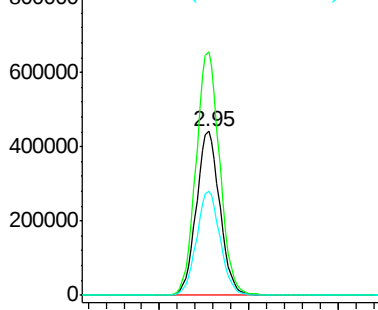


Abundance

Ion 95.90 (95.60 to 96.60): VU033956.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU033956.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU033956.D (-566) (-)



#22

Diisopropyl ether

Concen: 122.287 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion: 45 Resp: 2751540

Ion Ratio Lower Upper

45 100

43 54.7 50.6 76.0

87 25.5 21.2 31.8

59 11.4 9.6 14.4

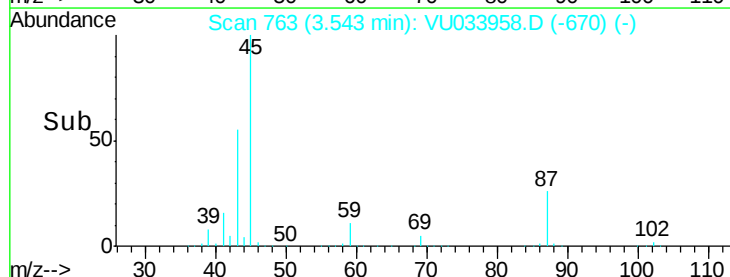
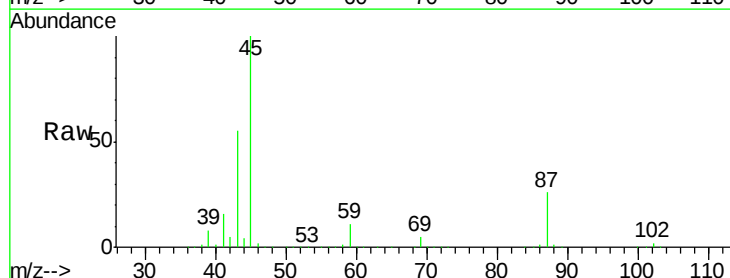
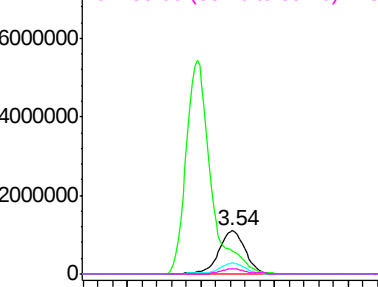
Abundance

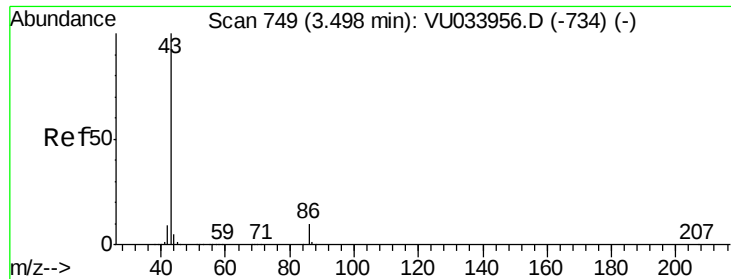
Ion 45.00 (44.70 to 45.70): VU033956.D (-741) (-)

Ion 43.00 (42.70 to 43.70): VU033956.D (-741) (-)

Ion 87.00 (86.70 to 87.70): VU033956.D (-741) (-)

Ion 59.00 (58.70 to 59.70): VU033956.D (-741) (-)





#23

Vinyl Acetate

Concen: 677.643 ug/l

RT: 3.50 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:12682360

Ion Ratio Lower Upper

43 100

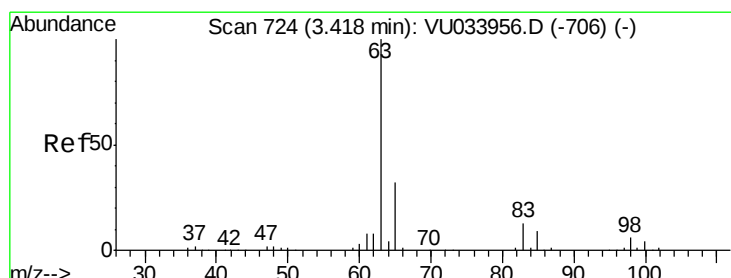
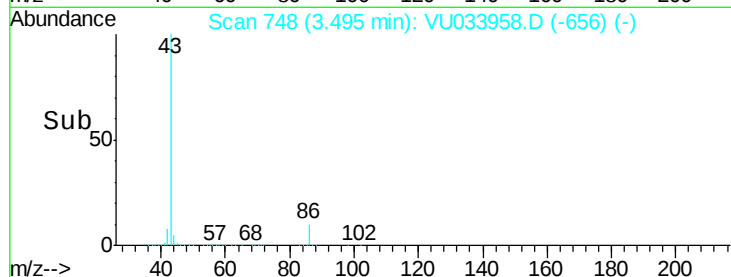
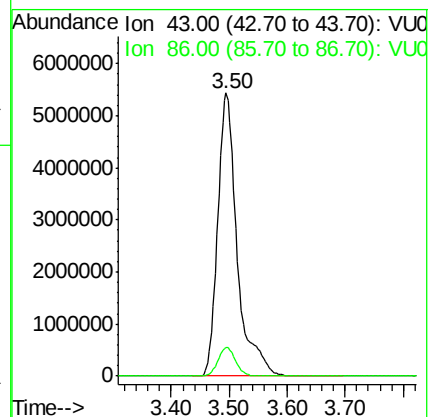
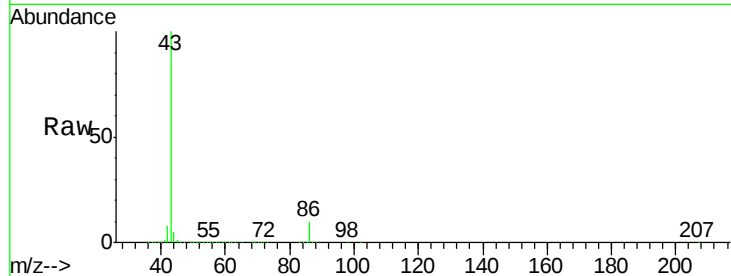
86 10.1 8.2 12.4

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 131.391 ug/l

RT: 3.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

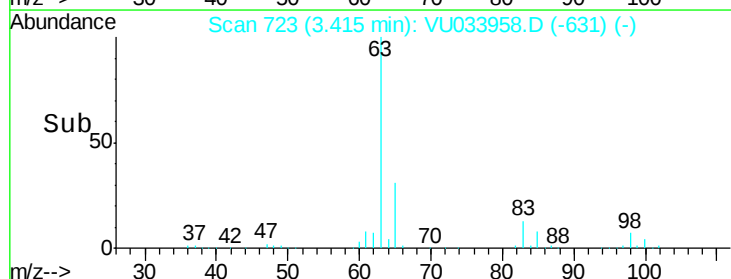
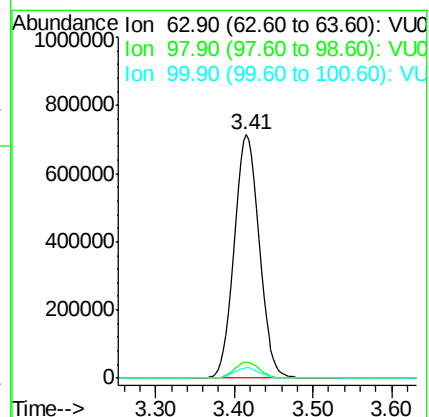
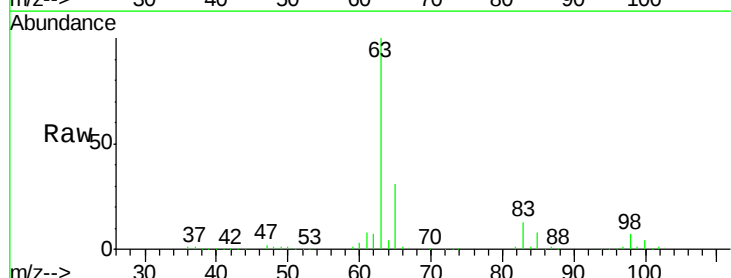
Tgt Ion: 63 Resp: 1574961

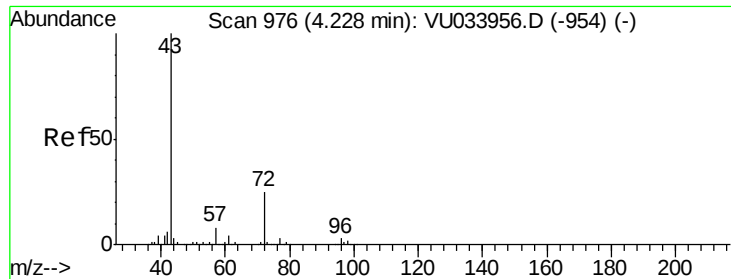
Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 665.486 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4013758

Ion Ratio Lower Upper

43 100

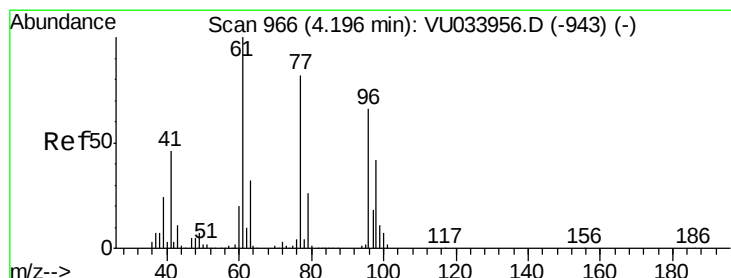
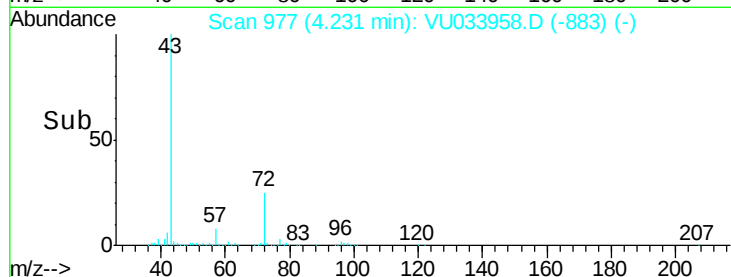
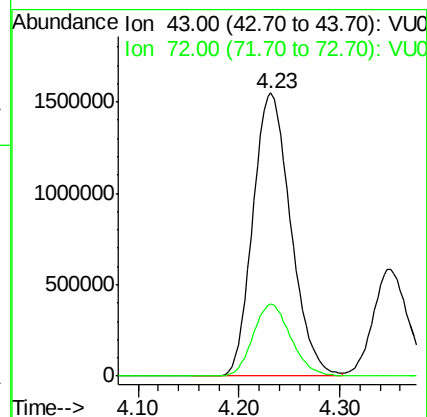
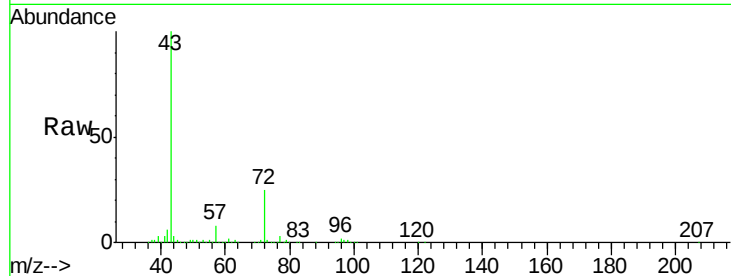
72 25.5 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

8/27/2019 12:17:10 PM



#26

2,2-Dichloropropane

Concen: 133.774 ug/l

RT: 4.19 min Scan# 965

Delta R.T. -0.00 min

Lab File: VU033958.D

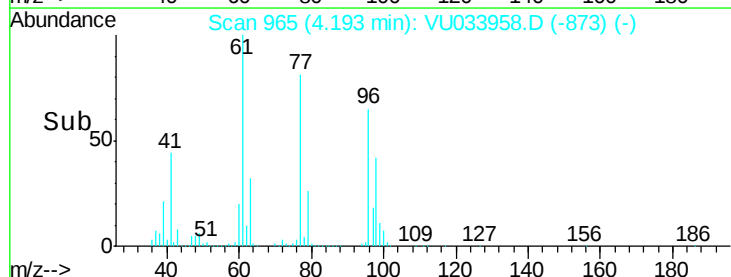
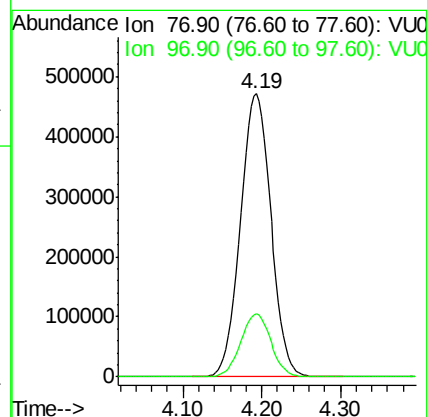
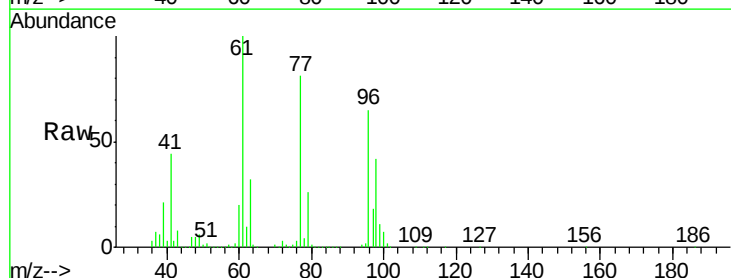
Acq: 26 Aug 2019 18:37

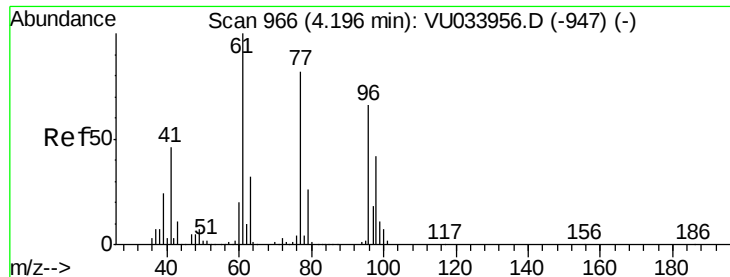
Tgt Ion: 77 Resp: 1276725

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

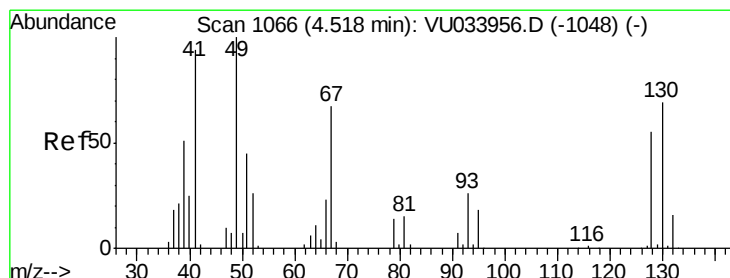
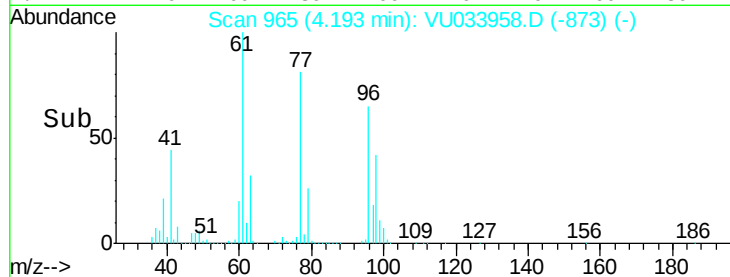
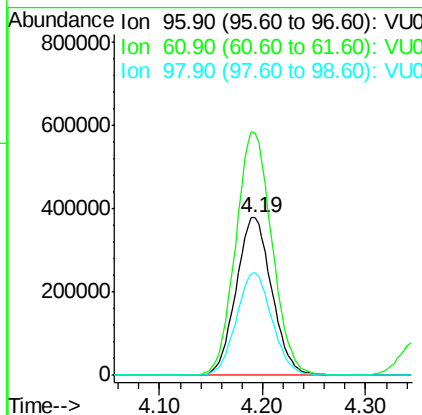
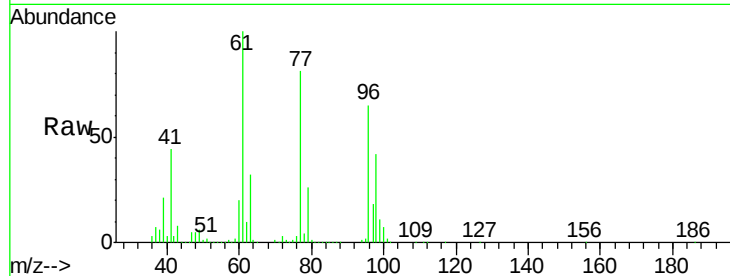
cis-1,2-Dichloroethene
Concen: 142.269 ug/l
RT: 4.19 min Scan# 965
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.2	0.0	312.2	
98	65.4	0.0	129.4	

Manual Integrations
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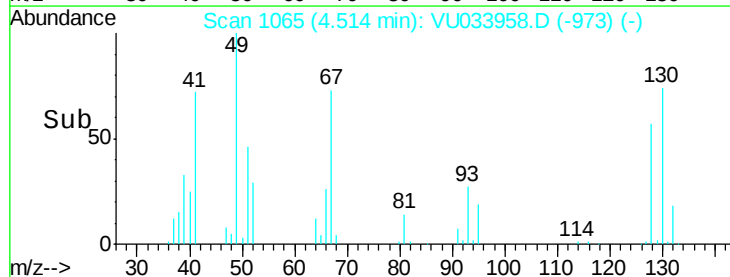
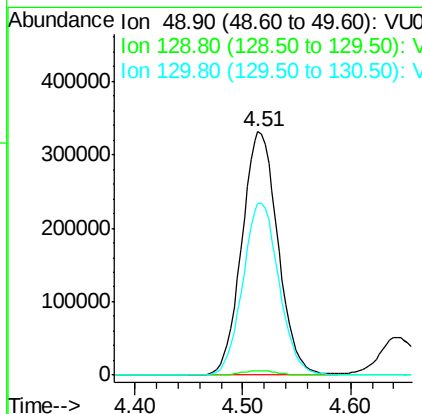
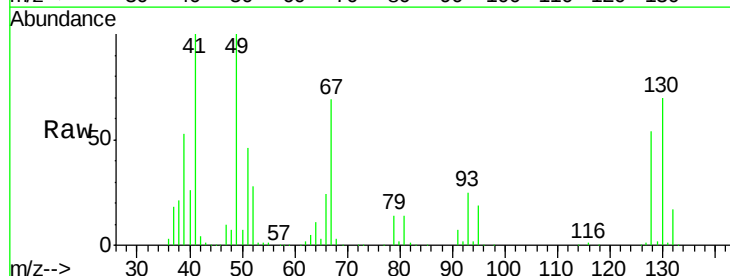
MMDadoda
8/27/2019 12:17:10 PM

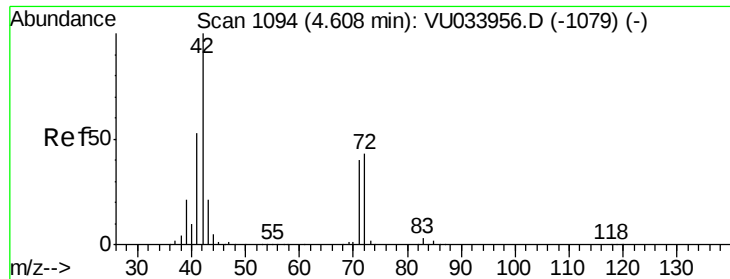


#28

Bromochloromethane
Concen: 141.532 ug/l
RT: 4.51 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	71.0	56.2	84.4	





#29

Tetrahydrofuran

Concen: 649.778 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 2505584

Ion Ratio Lower Upper

42 100

72 43.3 34.6 52.0

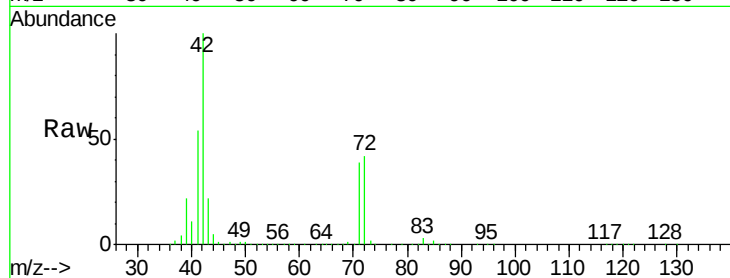
71 40.1 32.1 48.1

Manual Integrations

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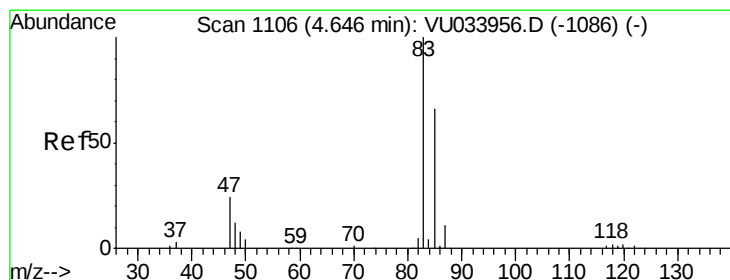
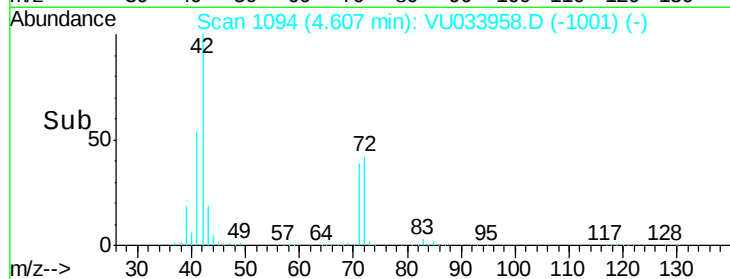
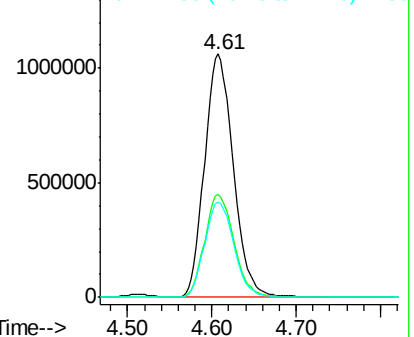
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Abundance Ion 42.00 (41.70 to 42.70): VU033956.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU033956.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU033956.D (-1079) (-)



#30

Chloroform

Concen: 137.152 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU033958.D

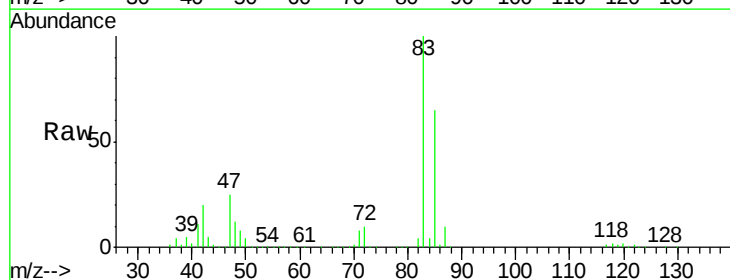
Acq: 26 Aug 2019 18:37

Tgt Ion: 83 Resp: 1449342

Ion Ratio Lower Upper

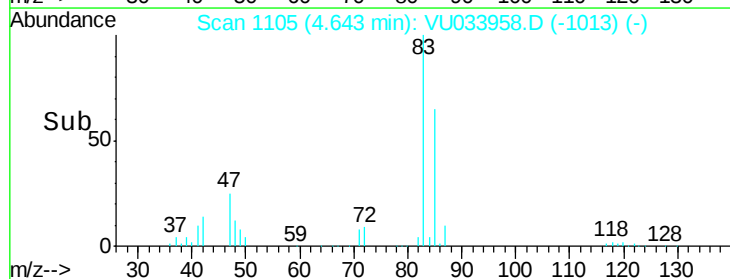
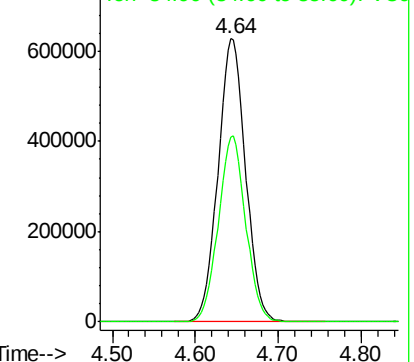
83 100

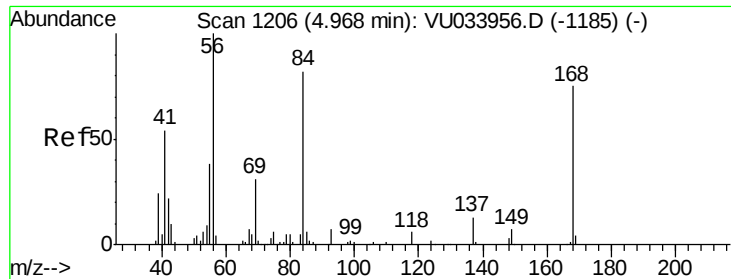
85 65.2 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU033956.D (-1086) (-)

Ion 84.90 (84.60 to 85.60): VU033956.D (-1086) (-)





#31

Cyclohexane

Concen: 101.690 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1419189

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

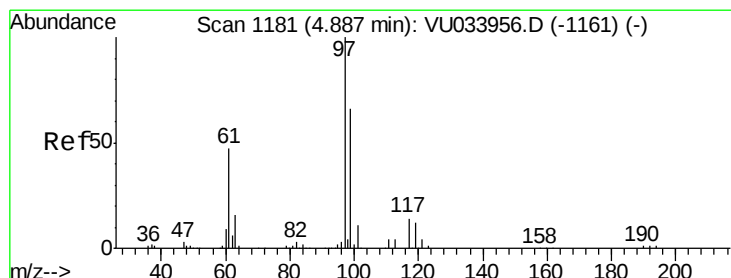
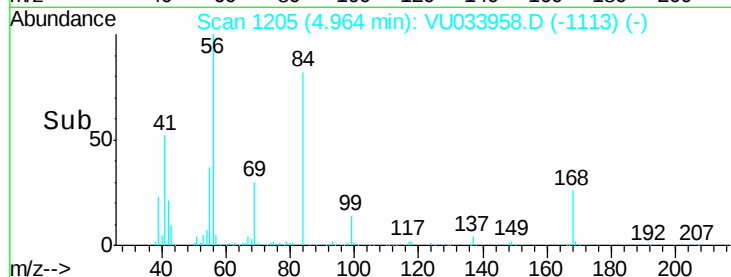
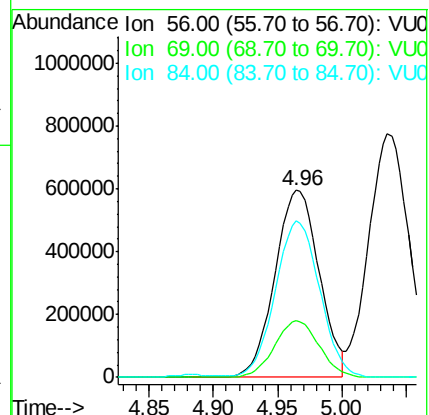
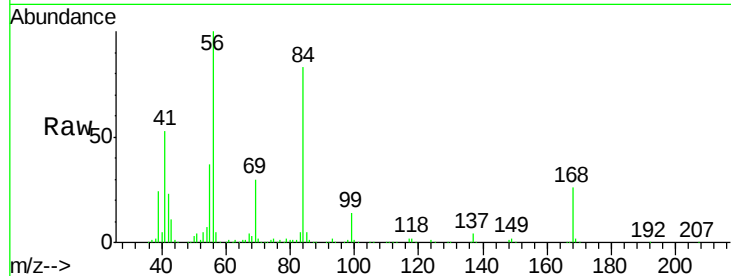
84 82.0 65.4 98.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 143.287 ug/l

RT: 4.88 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

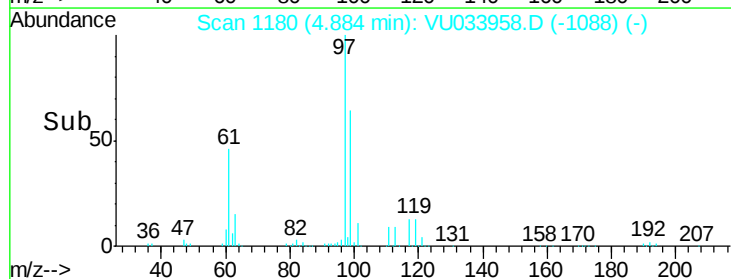
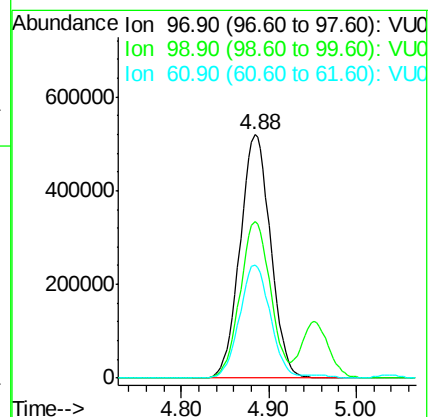
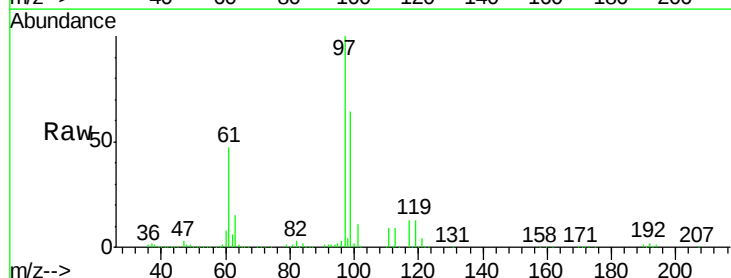
Tgt Ion: 97 Resp: 1259772

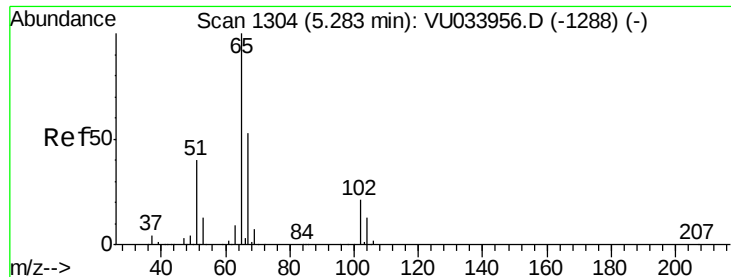
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 46.7 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 135.427 ug/l

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 923348

Ion Ratio Lower Upper

65 100

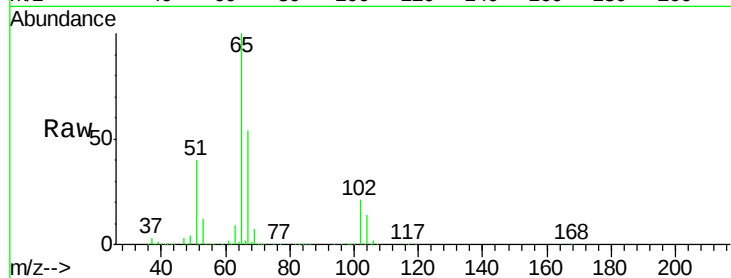
67 54.2 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU033958.D (-1288) (-)

Ion 66.90 (66.60 to 67.60): VU033958.D (-1288) (-)

5.28

400000

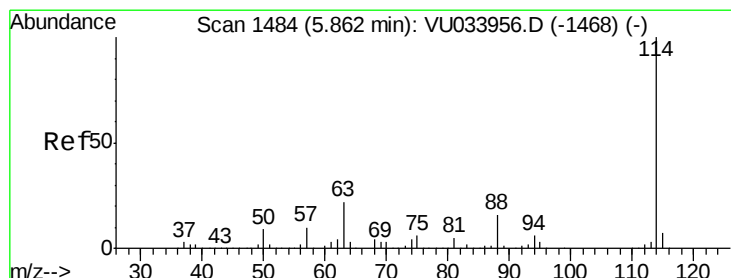
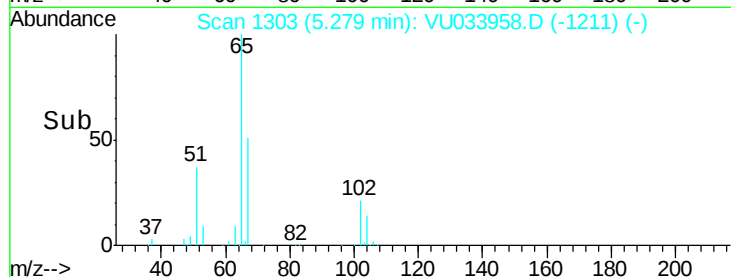
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1483

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

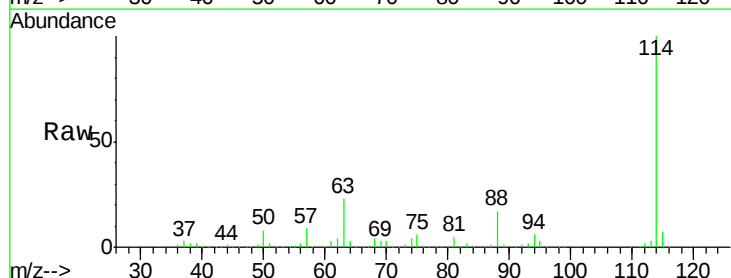
Tgt Ion: 114 Resp: 755050

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.2

88 16.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU033958.D (-1391) (-)

Ion 63.00 (62.70 to 63.70): VU033958.D (-1391) (-)

Ion 87.90 (87.60 to 88.60): VU033958.D (-1391) (-)

5.86

400000

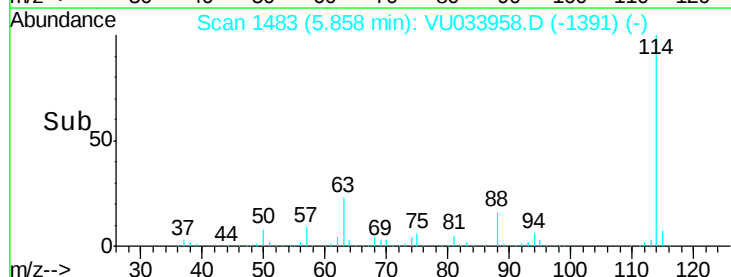
300000

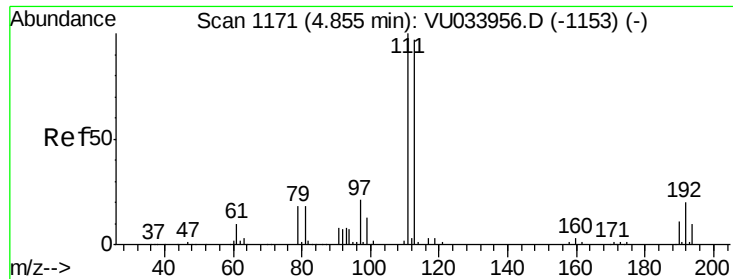
200000

100000

0

Time-->





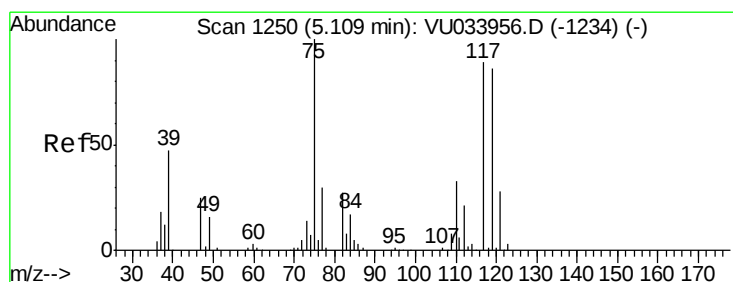
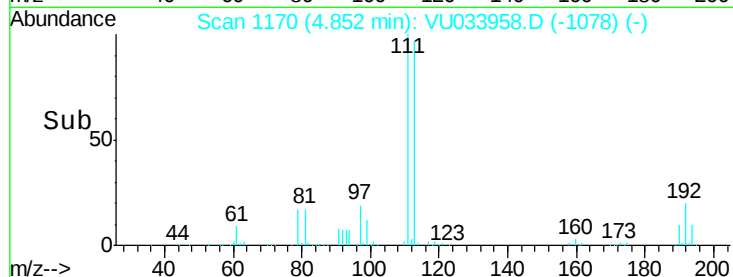
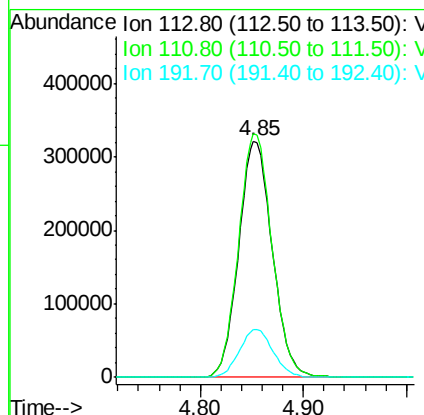
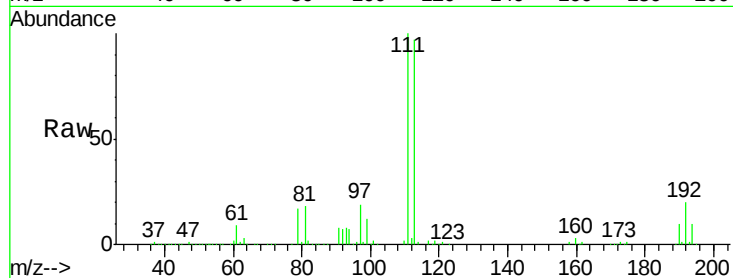
#35
 Dibromofluoromethane
 Concen: 152.563 ug/l
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.0	123.0	
192	20.4	16.2	24.4	

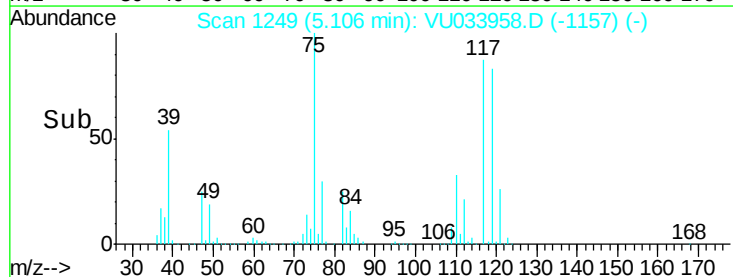
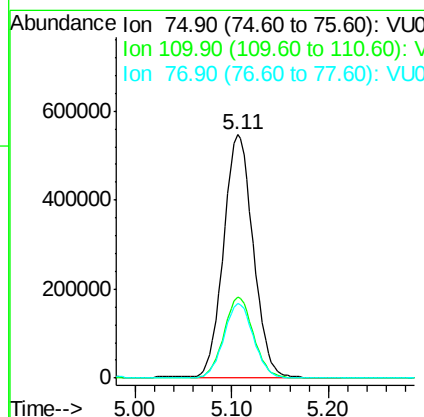
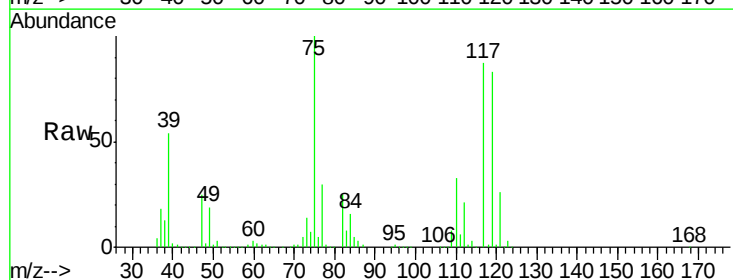
Manual Integrations
 APPROVED

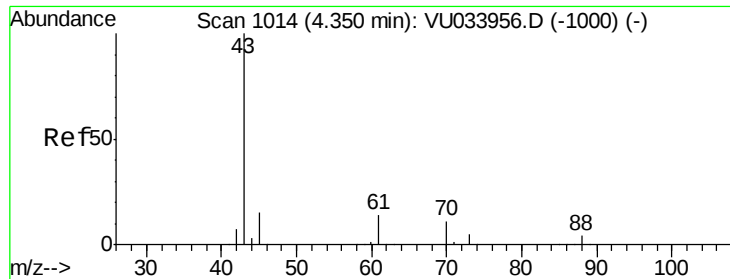
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#36
 1,1-Dichloropropene
 Concen: 142.120 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.3	16.8	50.4	
77	30.6	24.7	37.1	





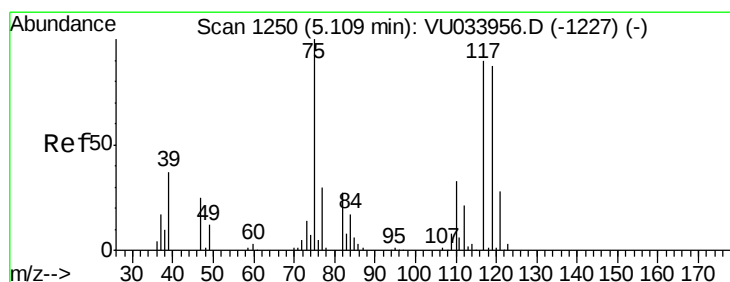
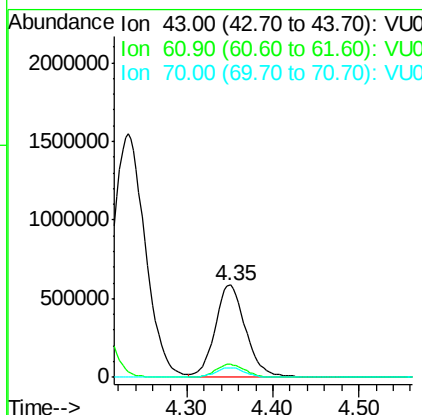
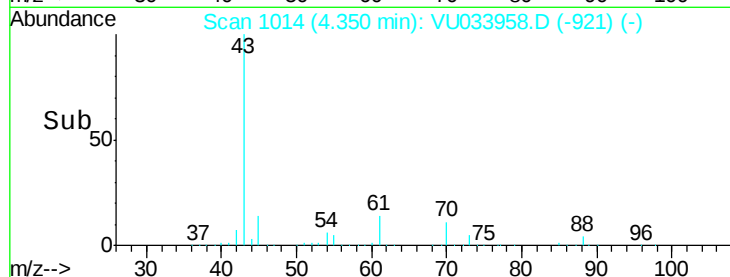
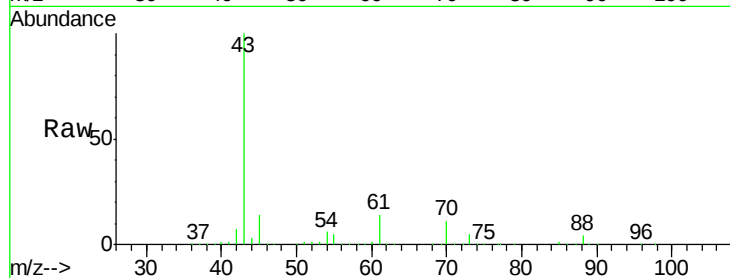
#37
Ethyl Acetate
Concen: 137.582 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1434410
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 10.2 8.2 12.4

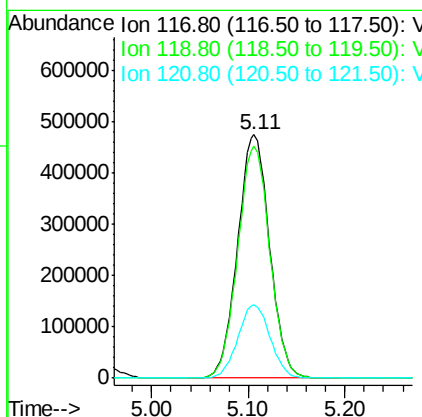
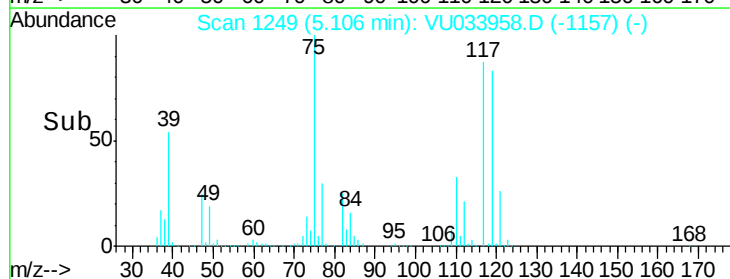
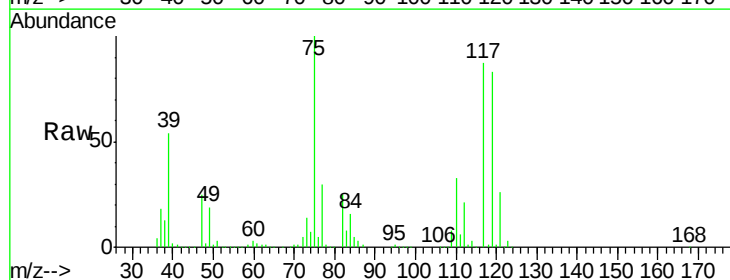
Manual Integrations
APPROVED

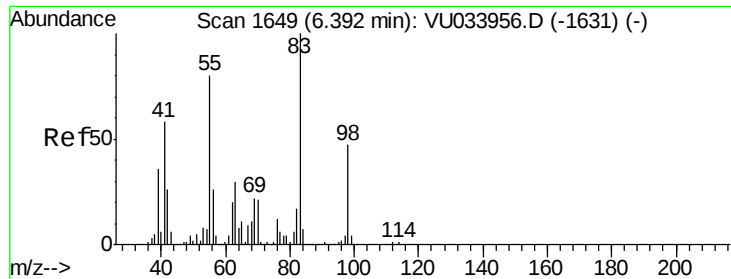
MMDadoda
8/27/2019 12:17:10 PM



#38
Carbon Tetrachloride
Concen: 160.279 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 117 Resp: 1091039
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3
121 29.9 24.9 37.3





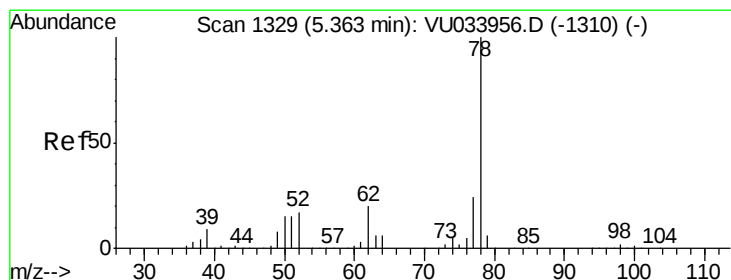
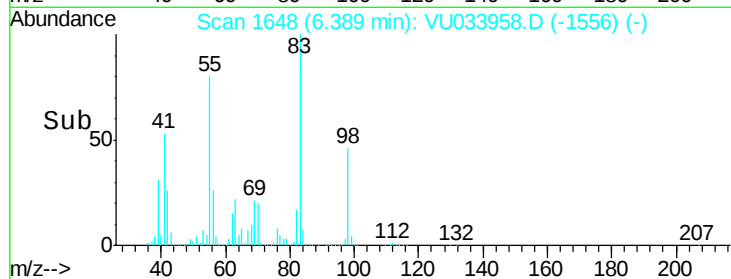
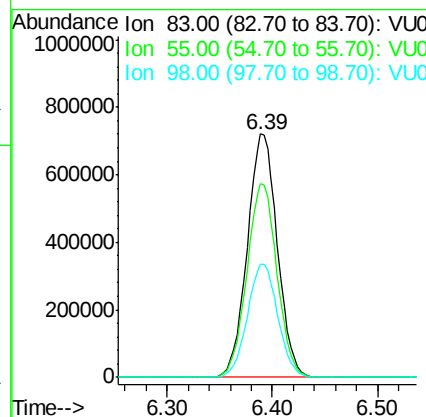
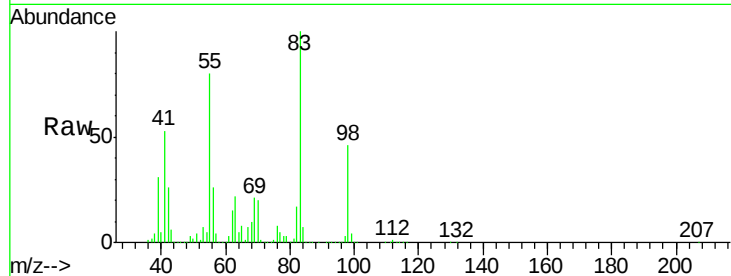
#39
Methylvlcvclohexane
Concen: 143.377 ug/l
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1426934
Ion Ratio Lower Upper
83 100
55 79.7 63.8 95.8
98 46.4 37.7 56.5

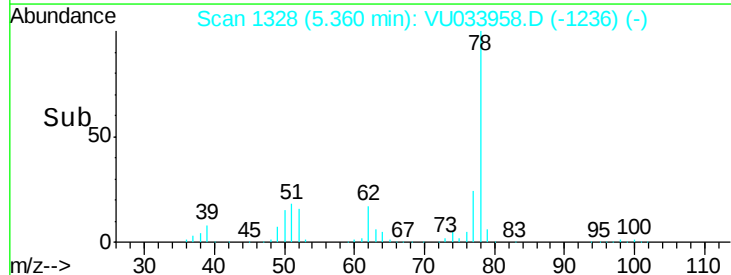
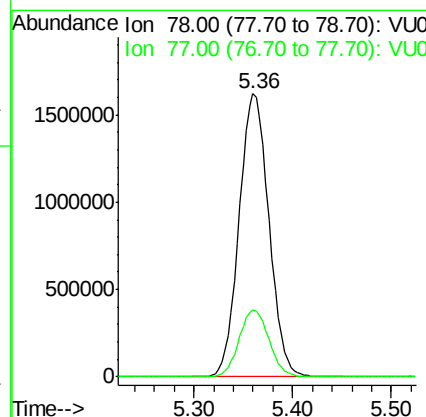
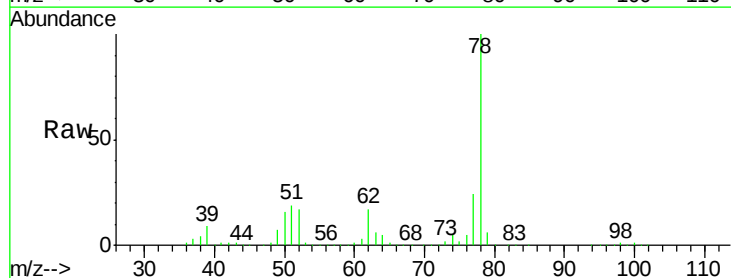
Manual Integrations
APPROVED

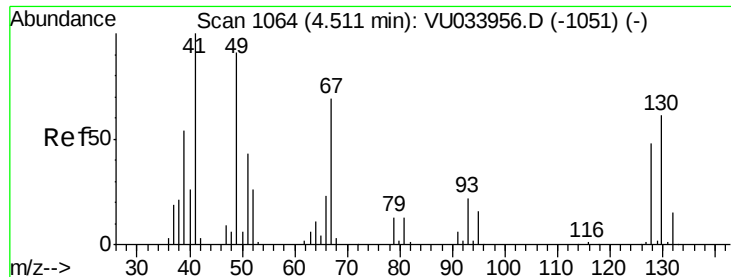
MMDadoda
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#40
Benzene
Concen: 140.626 ug/l
RT: 5.36 min Scan# 1328
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 78 Resp: 3396480
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 140.535 ug/l

RT: 4.51 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 798579

Ion Ratio Lower Upper

41 100

39 52.6 43.3 64.9

67 70.2 57.5 86.3

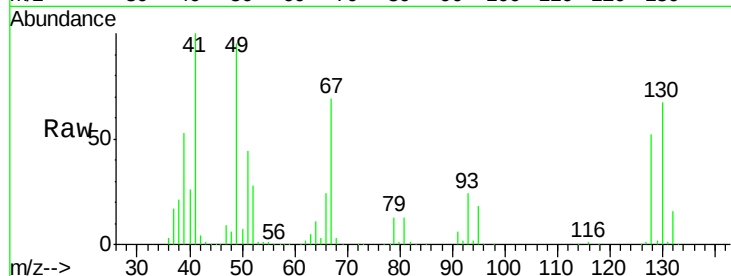
52 27.7 22.6 34.0

Manual Integrations

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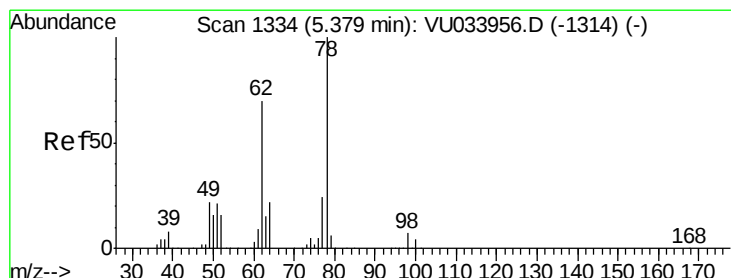
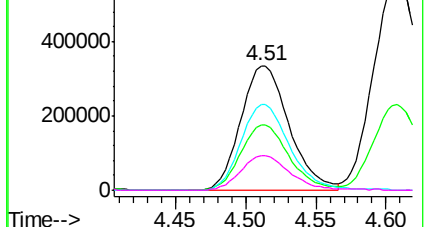
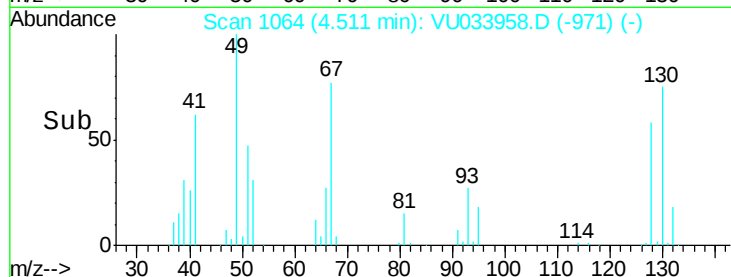


Abundance Ion 41.00 (40.70 to 41.70): VU033958.D (-971) (-)

Ion 39.00 (38.70 to 39.70): VU033958.D (-971) (-)

Ion 67.00 (66.70 to 67.70): VU033958.D (-971) (-)

Ion 52.00 (51.70 to 52.70): VU033958.D (-971) (-)



#42

1,2-Dichloroethane

Concen: 142.784 ug/l

RT: 5.38 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VU033958.D

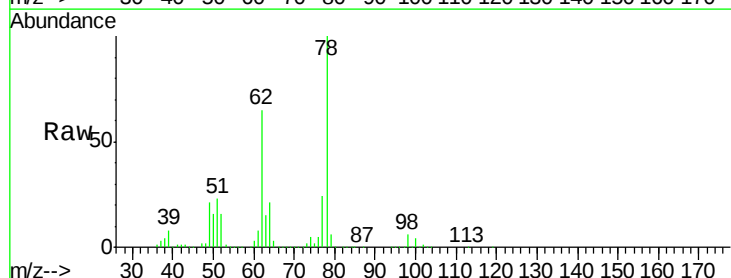
Acq: 26 Aug 2019 18:37

Tgt Ion: 62 Resp: 1217008

Ion Ratio Lower Upper

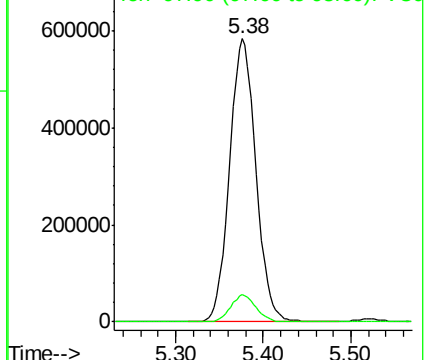
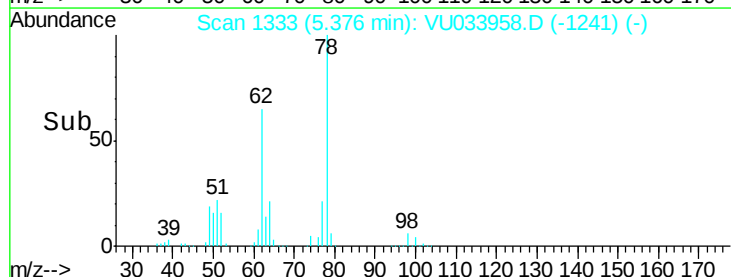
62 100

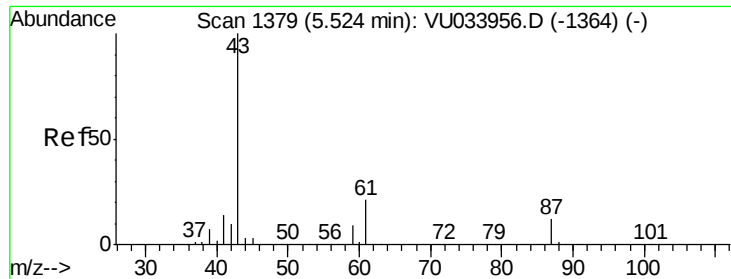
98 9.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU033958.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VU033958.D (-1241) (-)





#43

Isopropyl Acetate

Concen: 138.219 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2264196

Ion Ratio Lower Upper

43 100

61 20.3 16.1 24.1

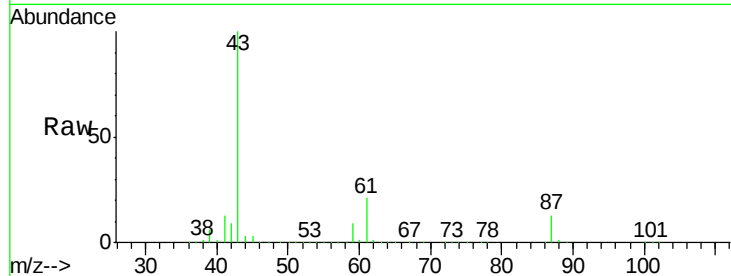
87 12.8 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VU033958.D (-1286) (-)

Ion 61.00 (60.70 to 61.70): VU033958.D (-1286) (-)

Ion 87.00 (86.70 to 87.70): VU033958.D (-1286) (-)

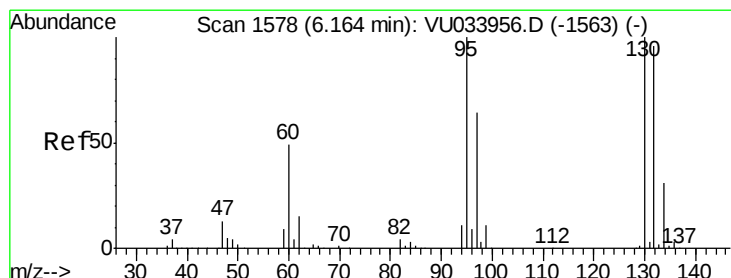
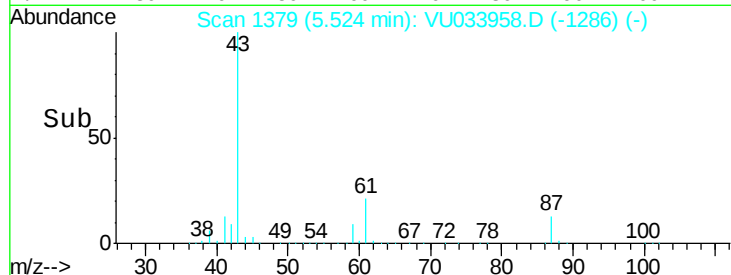
5.52

1000000

500000

0

Time-->



#44

Trichloroethene

Concen: 158.223 ug/l

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU033958.D

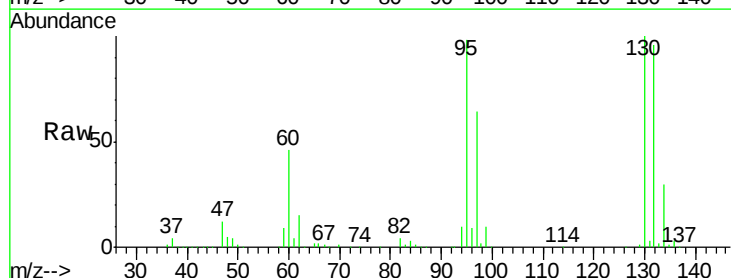
Acq: 26 Aug 2019 18:37

Tgt Ion:130 Resp: 868971

Ion Ratio Lower Upper

130 100

95 98.3 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VU033958.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU033958.D (-1485) (-)

6.16

500000

400000

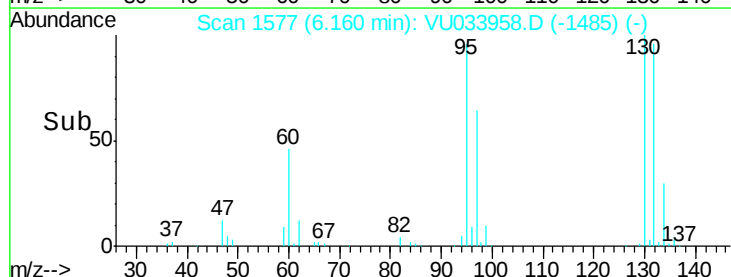
300000

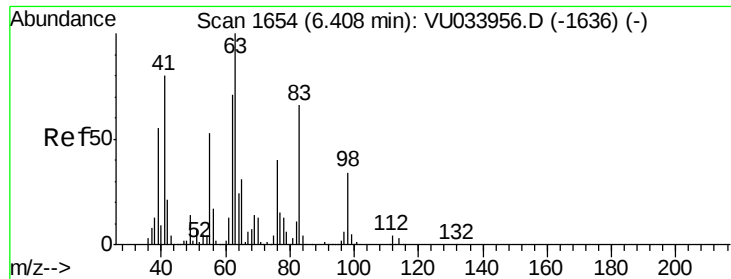
200000

100000

0

Time-->





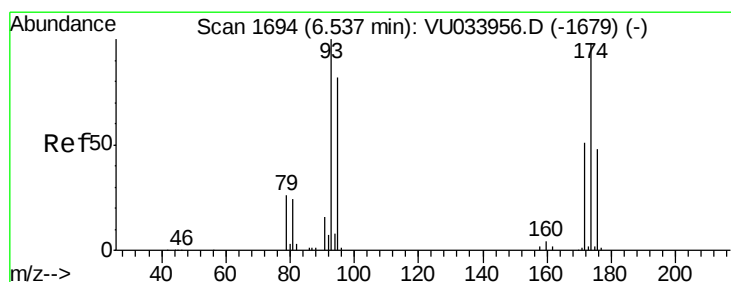
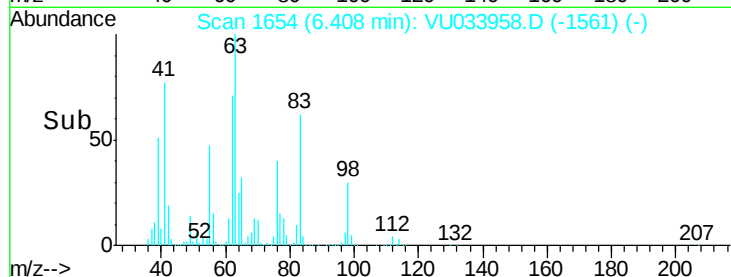
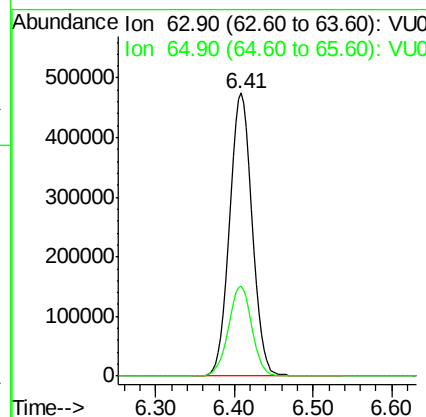
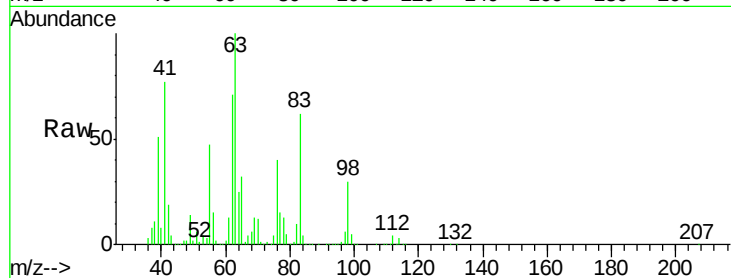
#45
 1,2-Dichloropropane
 Concen: 138.951 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 936263
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4

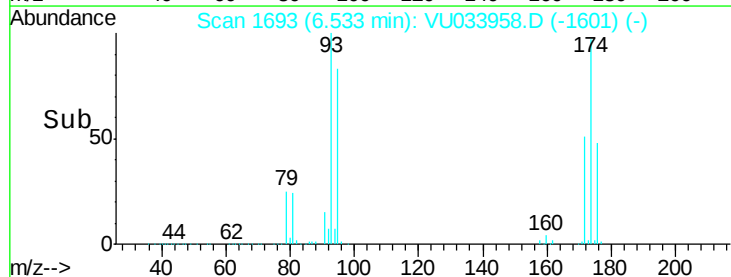
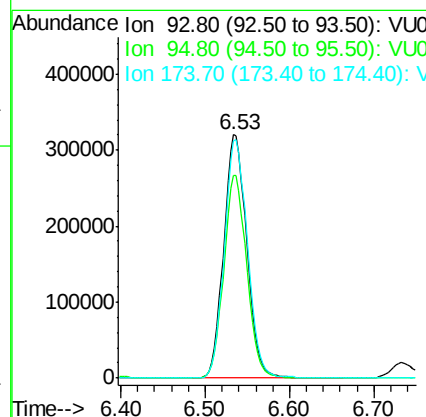
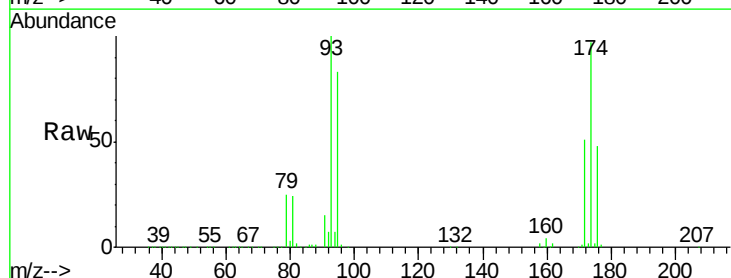
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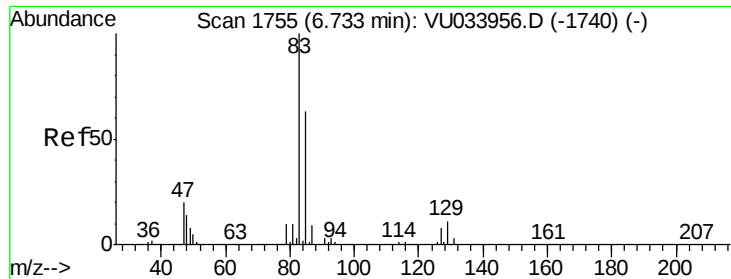
MMDadoda
 8/27/2019 12:17:10 PM



#46
 Dibromomethane
 Concen: 150.504 ug/l
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 93 Resp: 611004
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.3 100.9
 174 98.4 79.7 119.5





#47

Bromodichloromethane

Concen: 152.221 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1213196

Ion Ratio Lower Upper

83 100

85 64.5 50.5 75.7

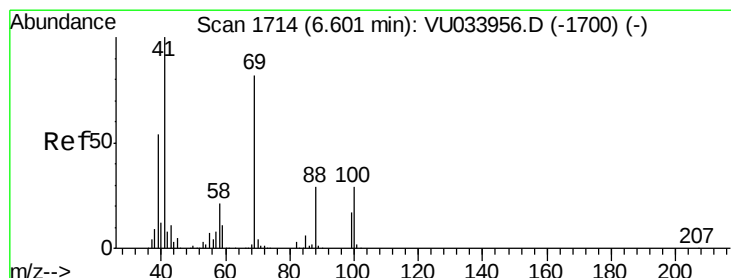
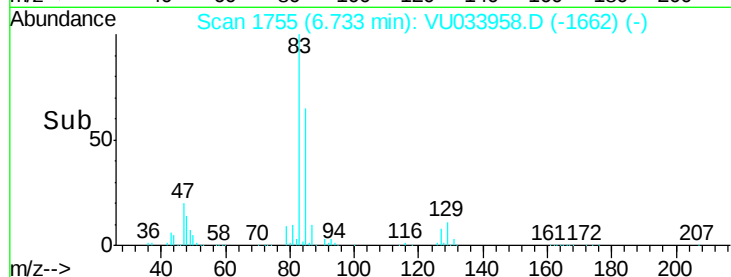
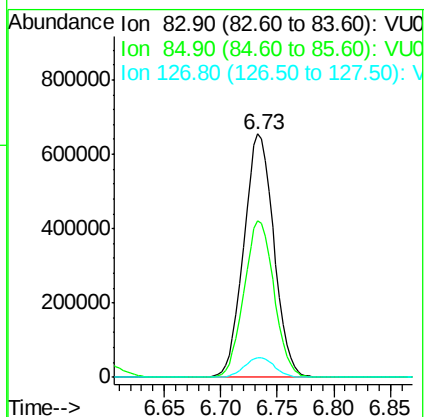
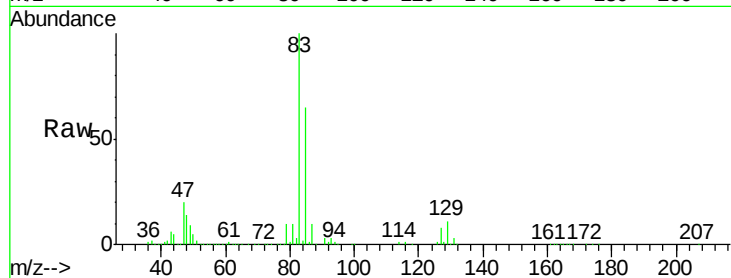
127 8.3 6.6 9.8

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#48

Methyl methacrylate

Concen: 137.284 ug/l

RT: 6.60 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

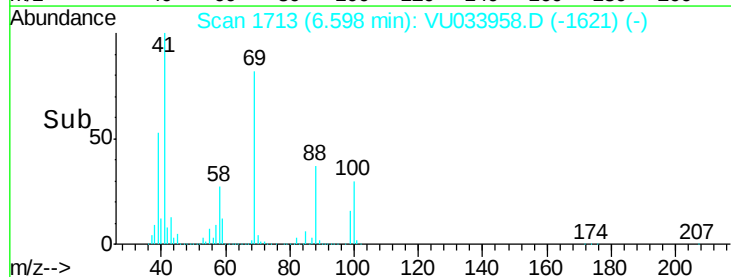
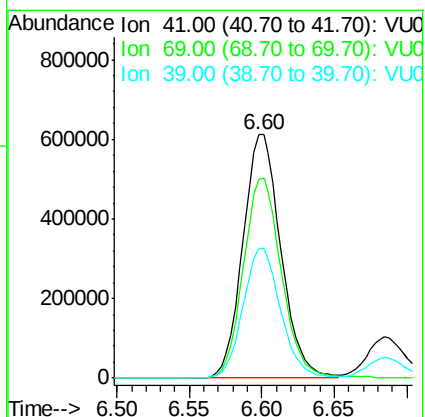
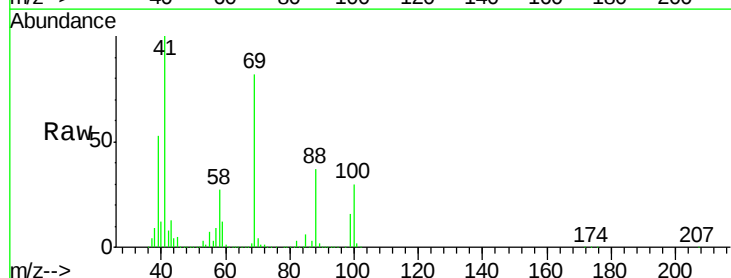
Tgt Ion: 41 Resp: 1111156

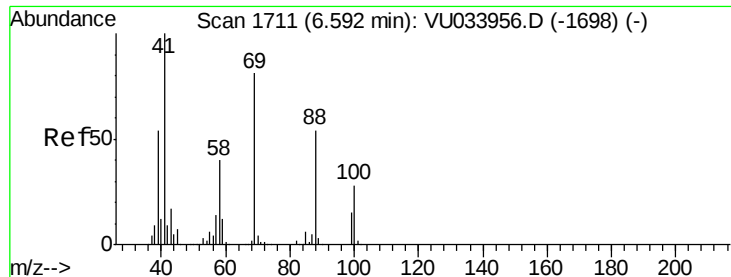
Ion Ratio Lower Upper

41 100

69 83.2 66.9 100.3

39 52.9 43.3 64.9





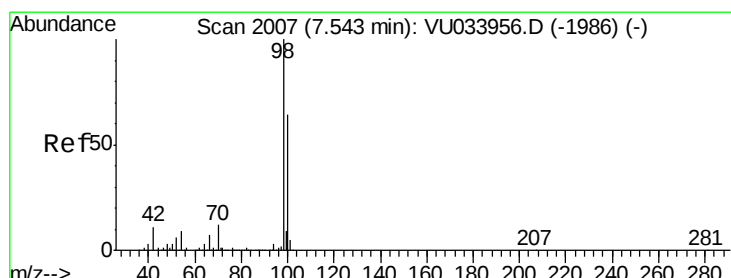
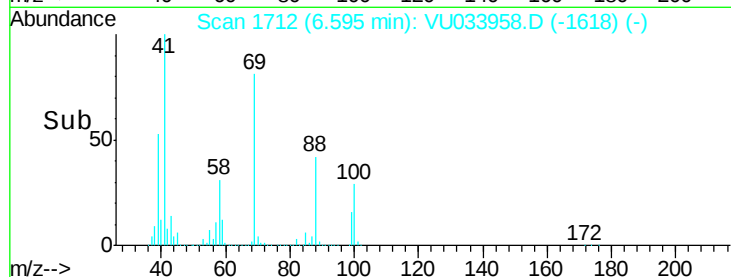
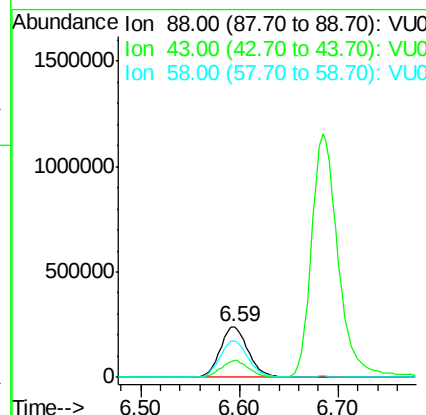
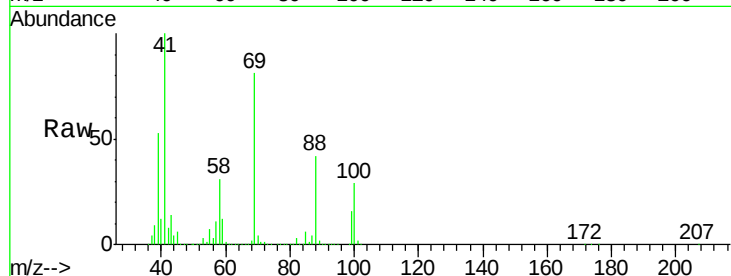
#49
1,4-Dioxane
Concen: 3490.314 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.2	40.8
58	73.6	59.3	88.9

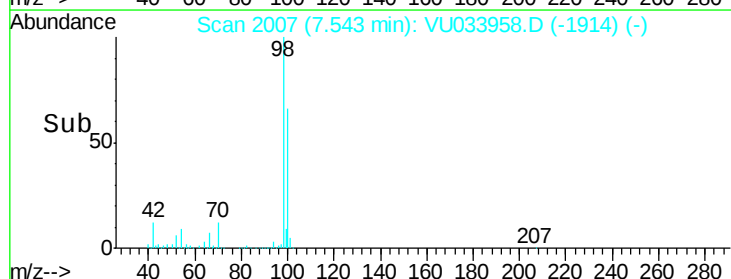
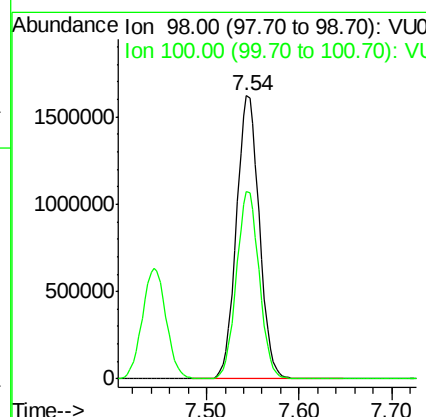
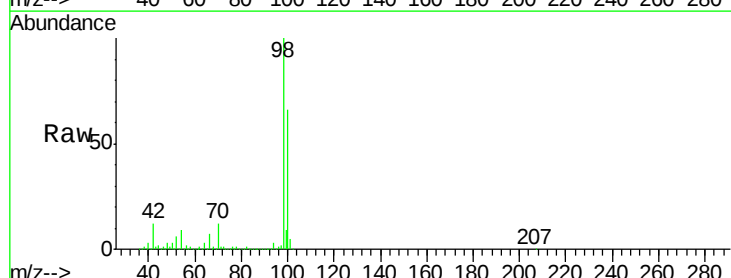
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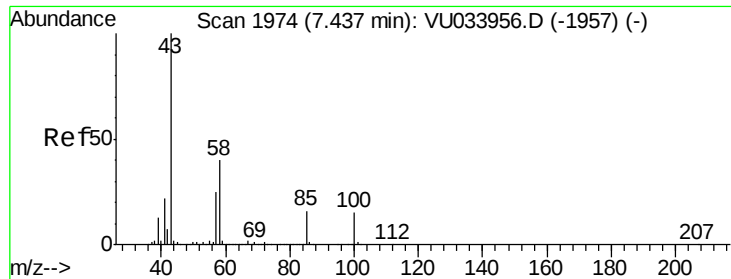
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#50
Toluene-d8
Concen: 147.721 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 726.135 ug/l

RT: 7.44 min Scan# 1976

Delta R.T. 0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7603792

Ion Ratio Lower Upper

43 100

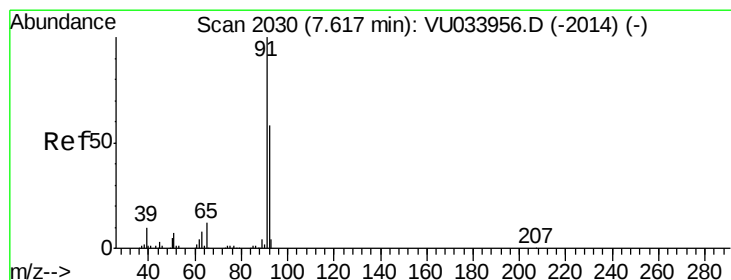
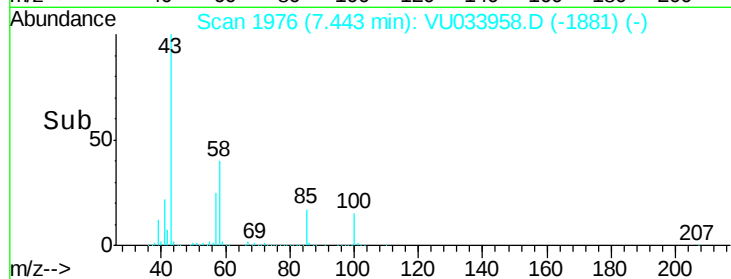
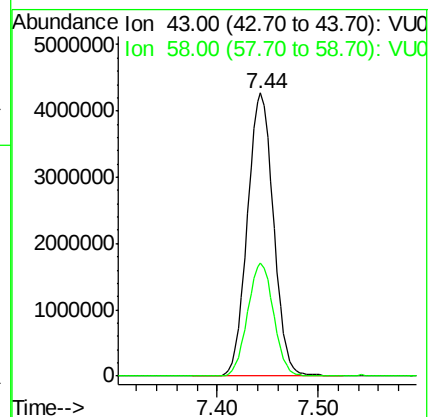
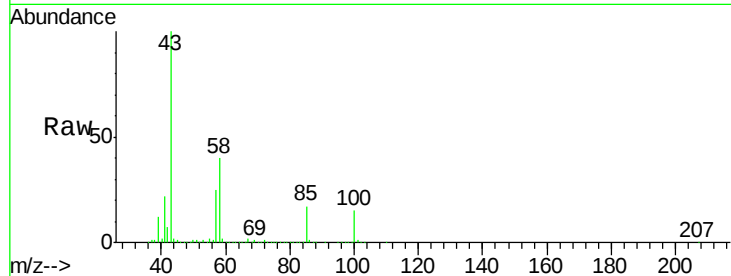
58 39.9 31.6 47.4

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#52

Toluene

Concen: 145.195 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033958.D

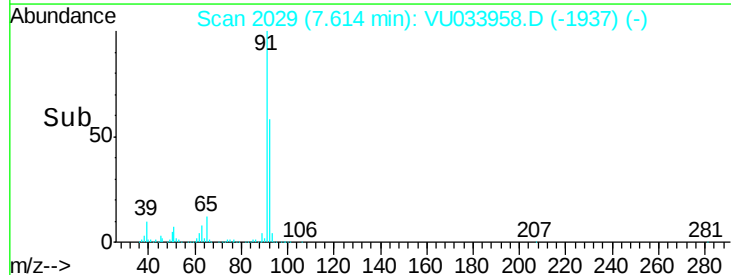
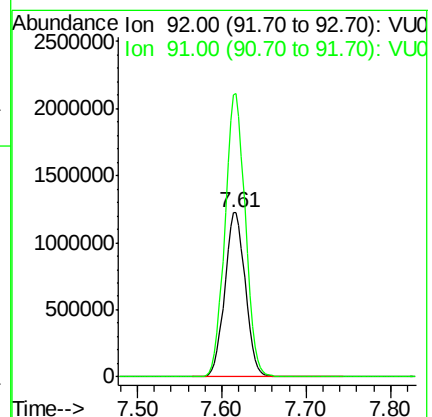
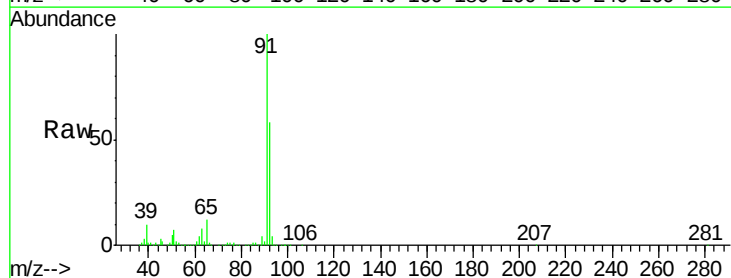
Acq: 26 Aug 2019 18:37

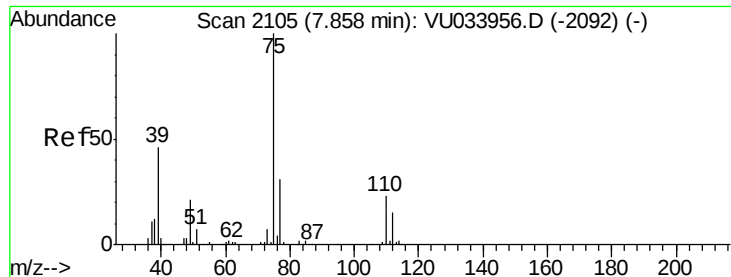
Tgt Ion: 92 Resp: 2071541

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 158.003 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

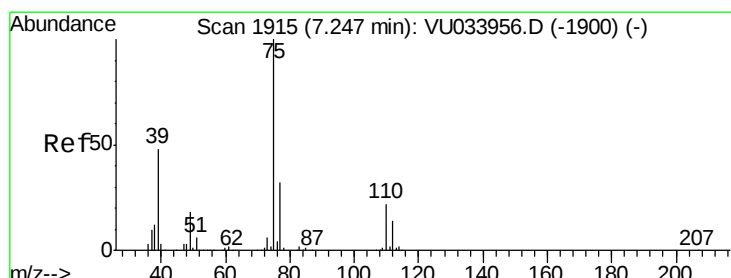
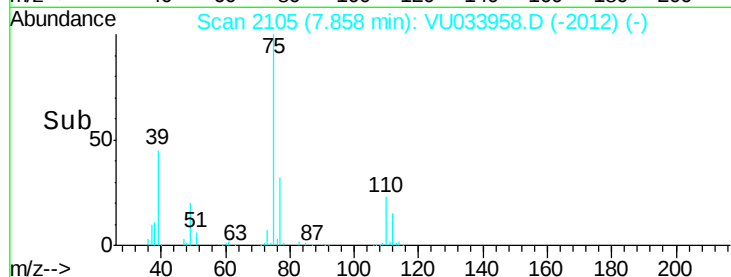
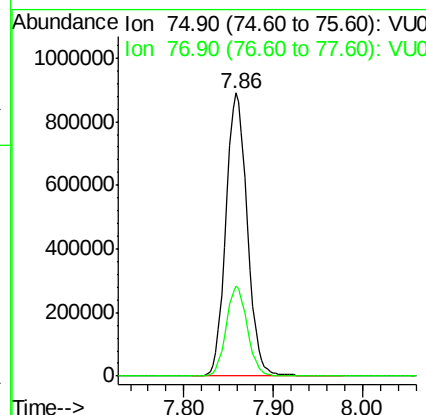
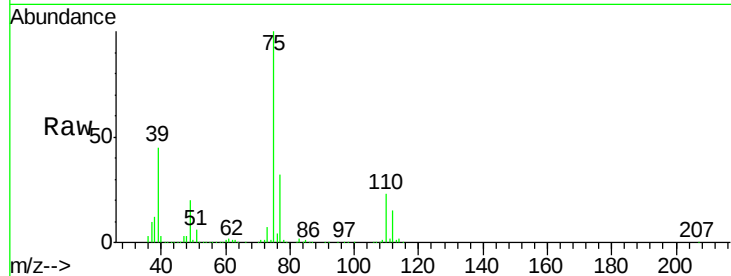
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1478690

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

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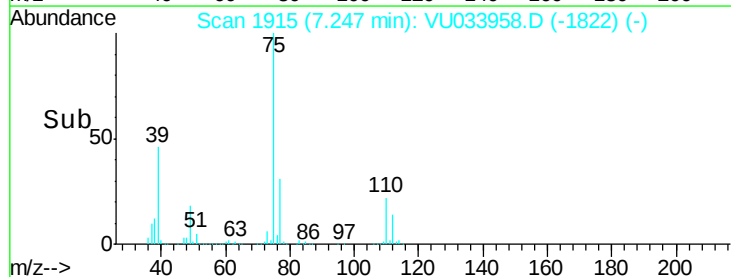
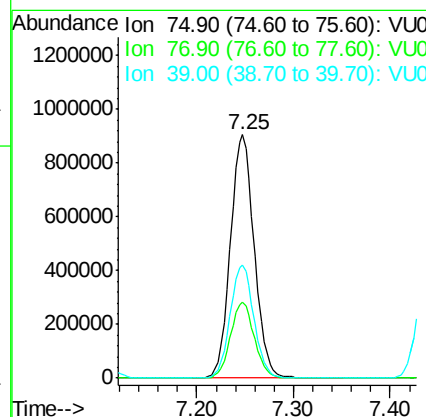
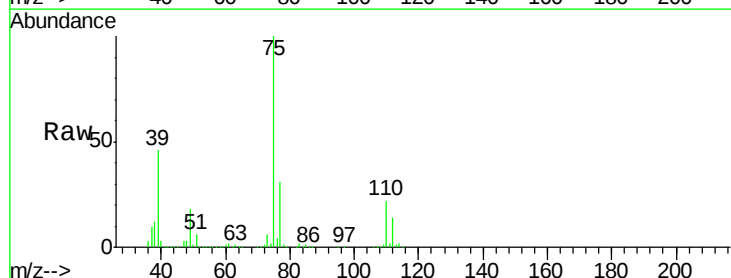
MMDadoda
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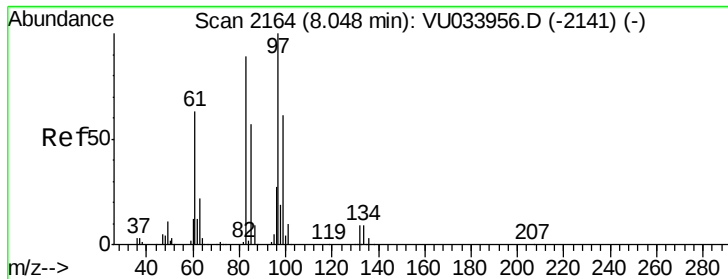


#54
cis-1,3-Dichloropropene
Concen: 152.067 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 75 Resp: 1545885

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	46.4	38.3	57.5





#55

1,1,2-Trichloroethane

Concen: 151.724 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

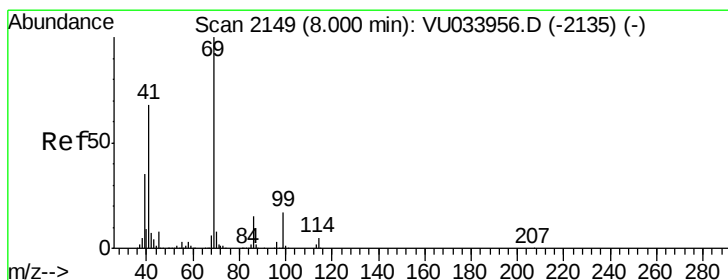
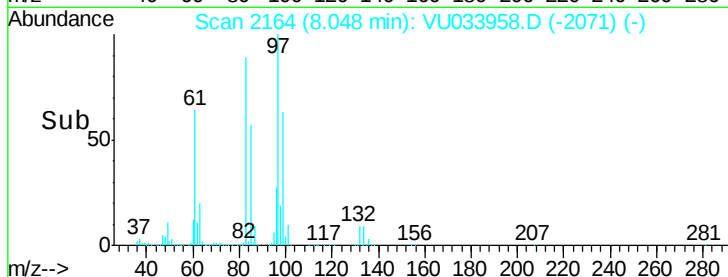
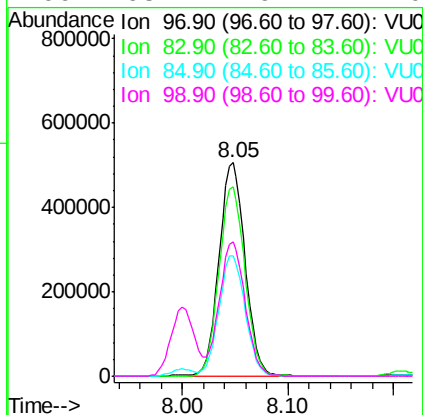
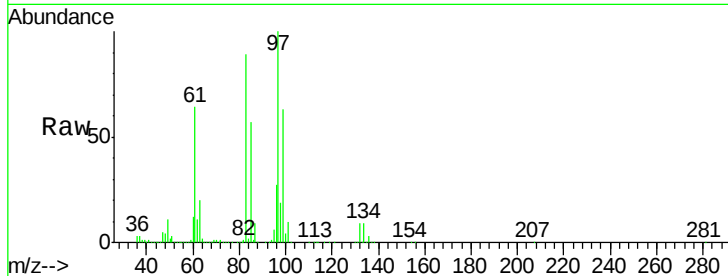
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	860953
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.6	45.5	68.3
99	63.1	49.4	74.0

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#56

Ethyl methacrylate

Concen: 161.681 ug/l

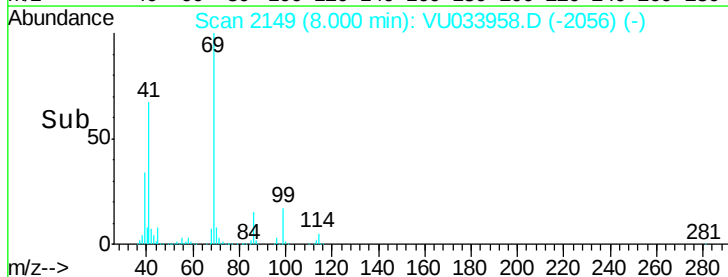
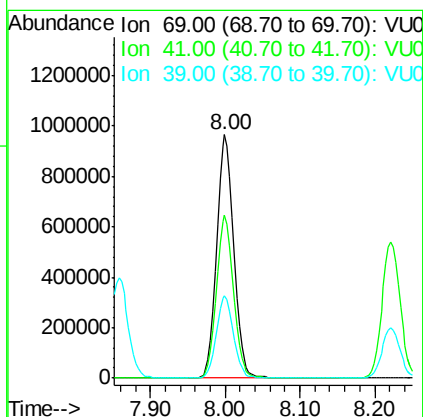
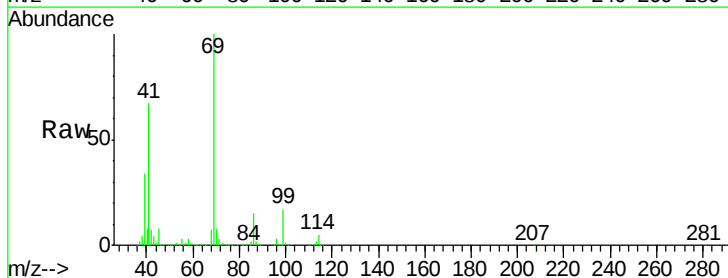
RT: 8.00 min Scan# 2149

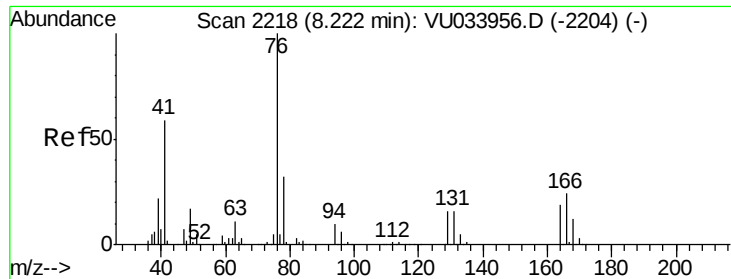
Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion:	69	Resp:	1539888
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	33.6	28.1	42.1





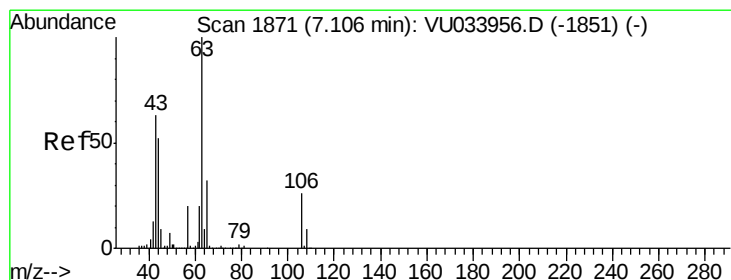
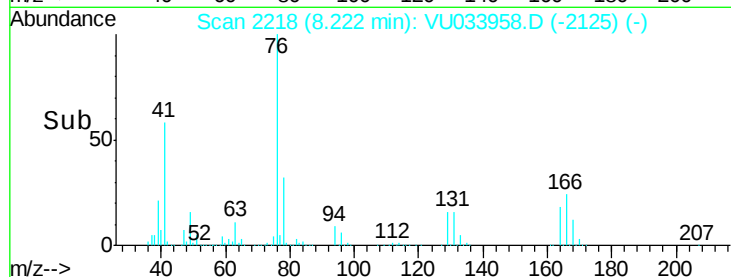
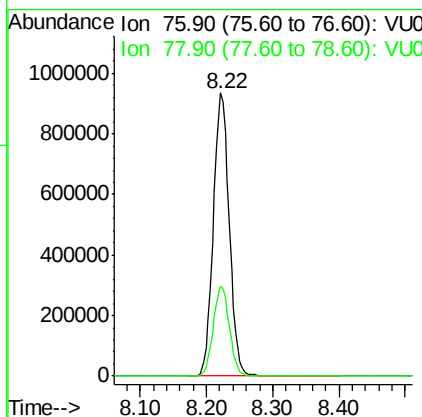
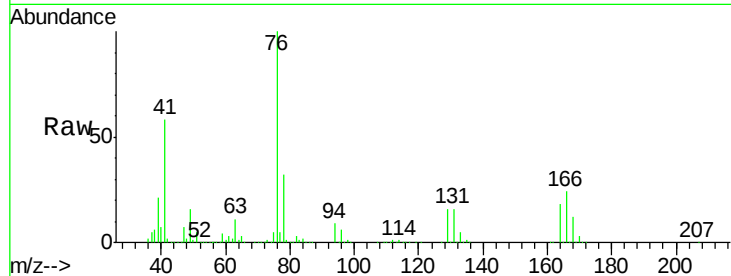
#57
 1,3-Dichloropropane
 Concen: 148.479 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1560775
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.2

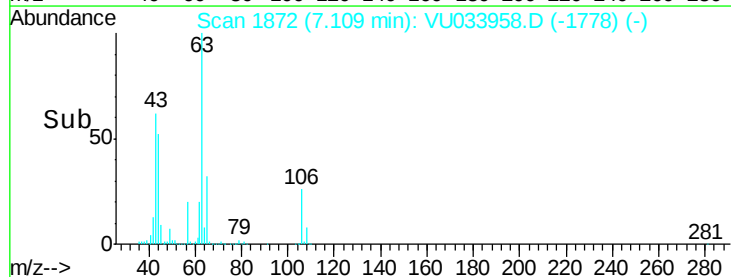
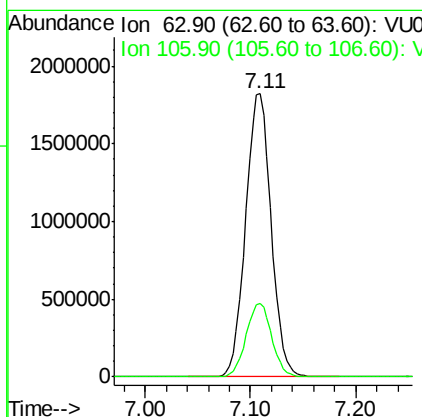
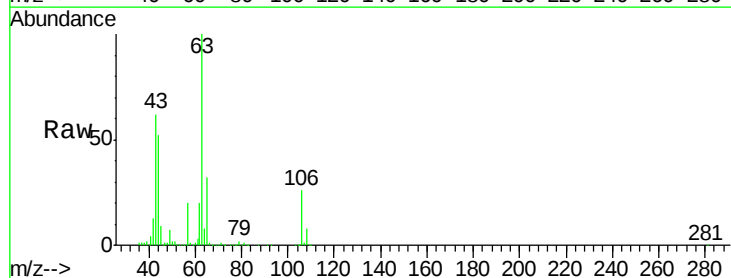
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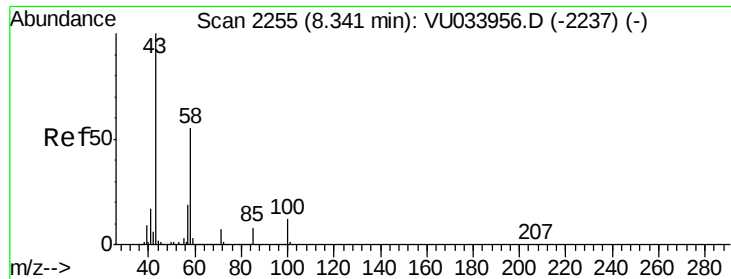
MMDadoda
 8/27/2019 12:17:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 653.867 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 63 Resp: 3061537
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.8 31.2





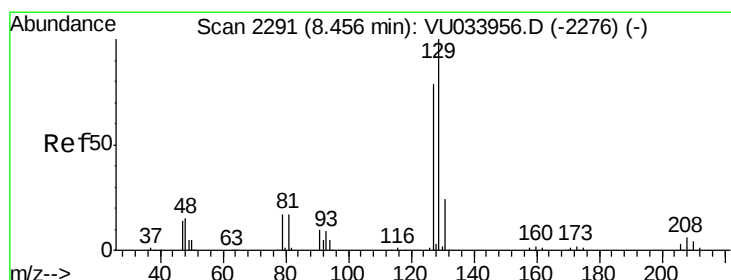
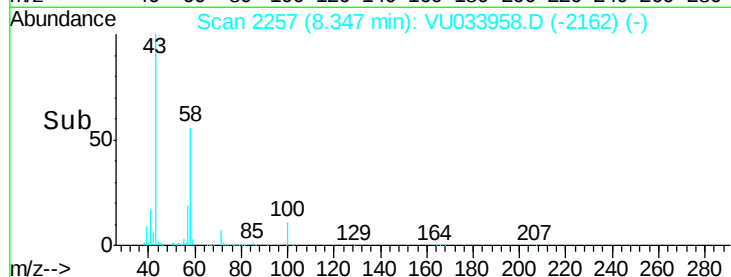
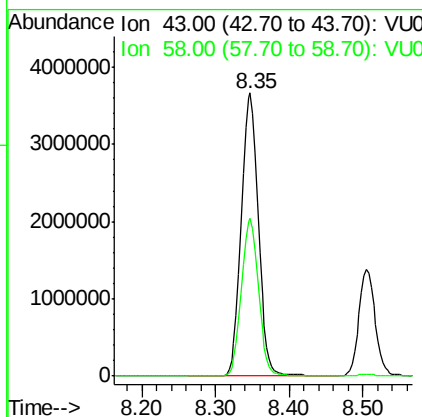
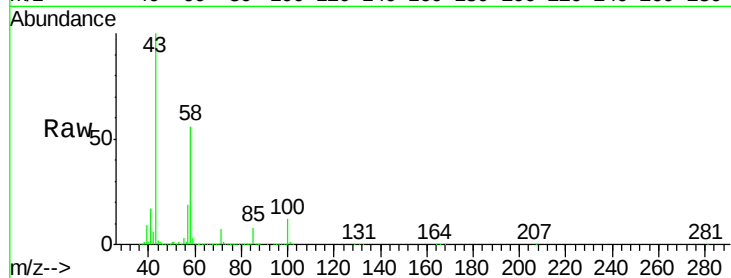
#59
2-Hexanone
Concen: 723.403 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5991456
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.9

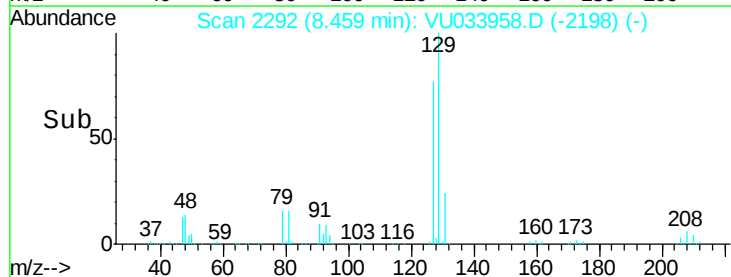
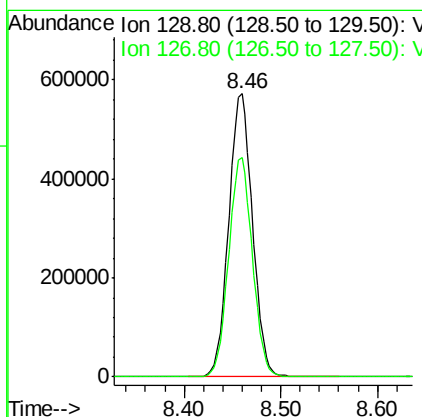
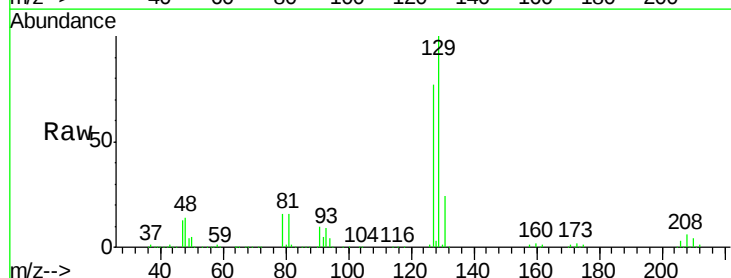
Manual Integrations
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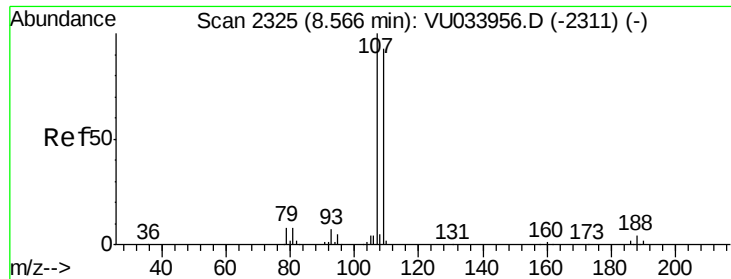
MMDadoda
8/27/2019 12:17:10 PM



#60
Dibromochloromethane
Concen: 172.301 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 129 Resp: 975343
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





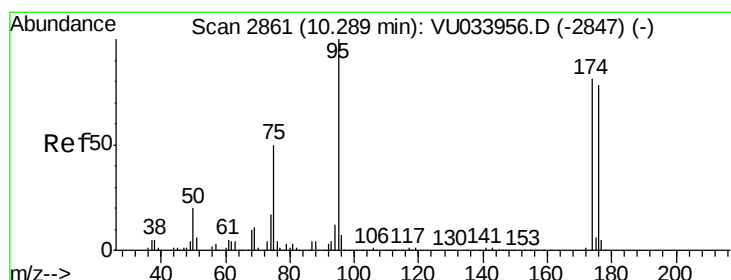
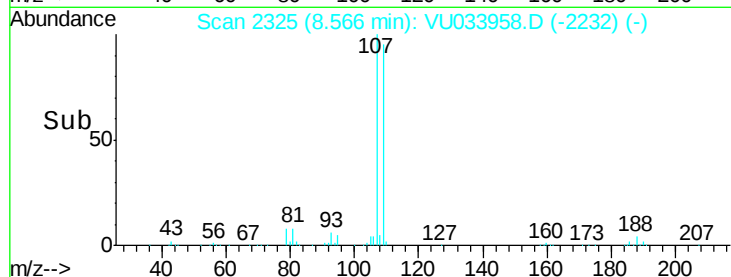
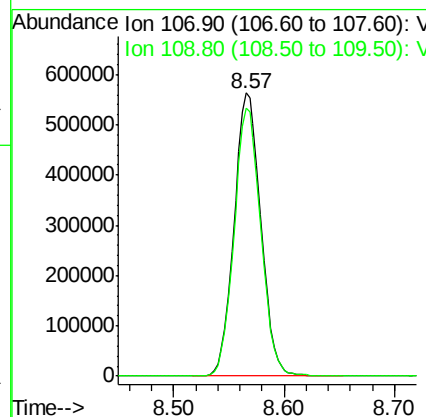
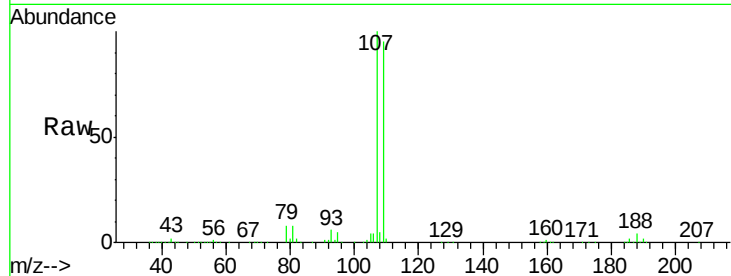
#61
 1,2-Dibromoethane
 Concen: 158.727 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.7	112.1

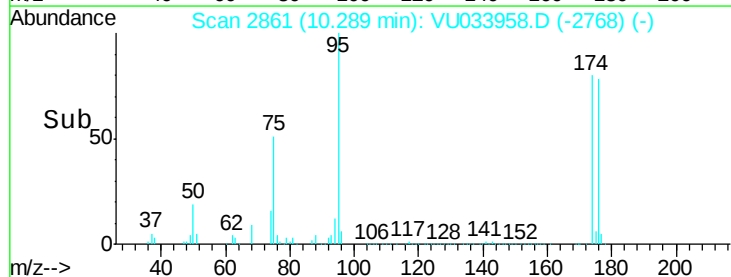
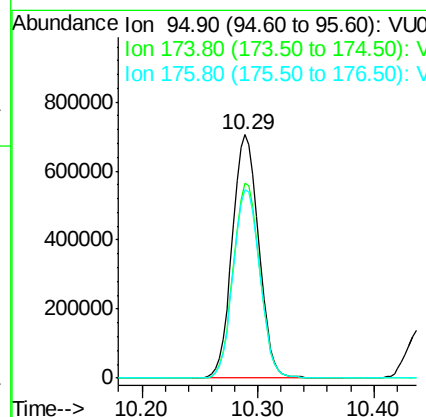
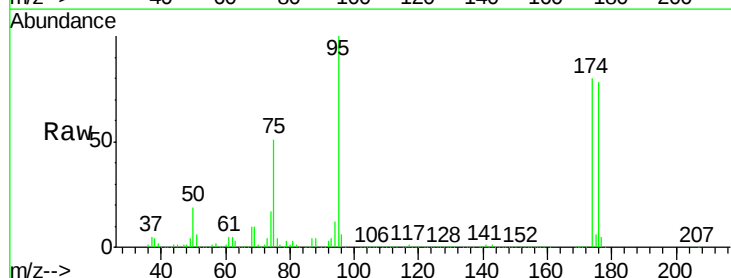
Manual Integrations
 APPROVED

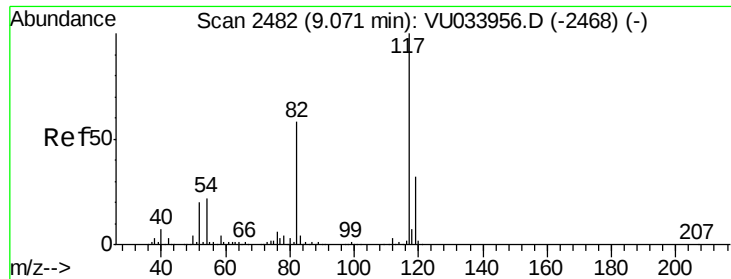
MMDadoda
 8/27/2019 12:17:10 PM



#62
 4-Bromofluorobenzene
 Concen: 158.636 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	160.4
176	78.0	0.0	154.2





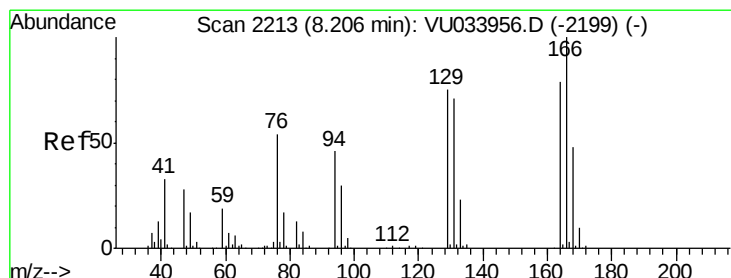
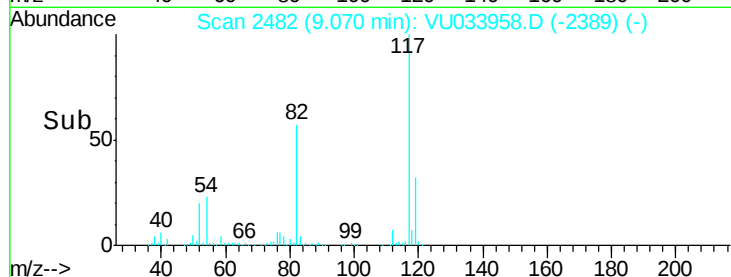
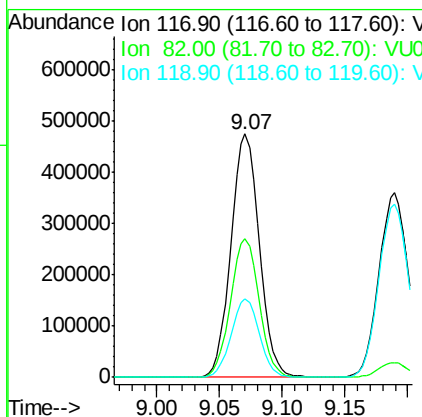
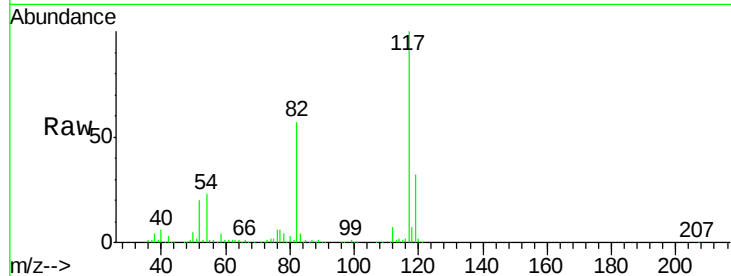
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	745705		
82	57.0		46.4	69.6
119	32.1		25.3	37.9

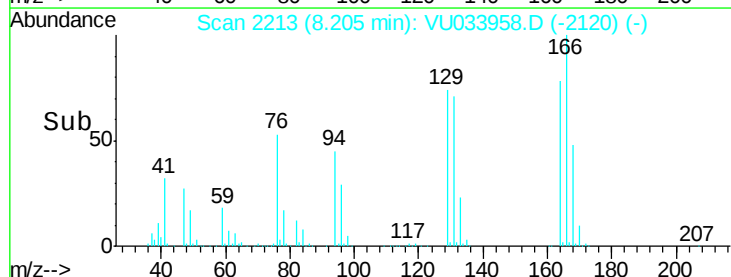
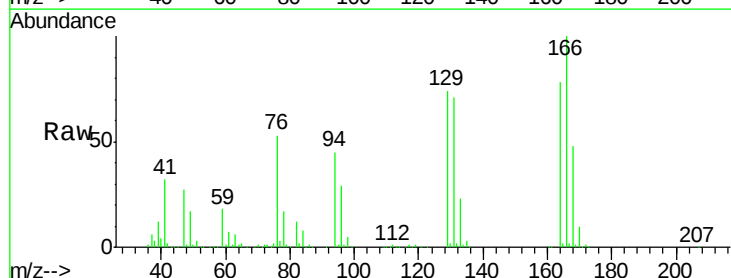
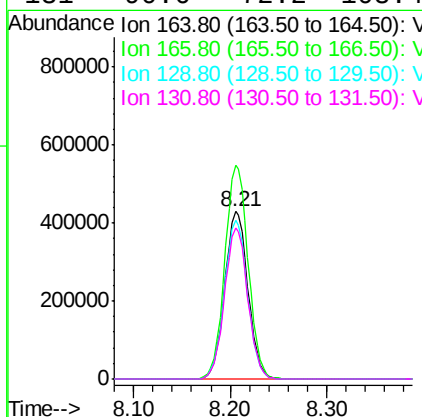
Manual Integrations
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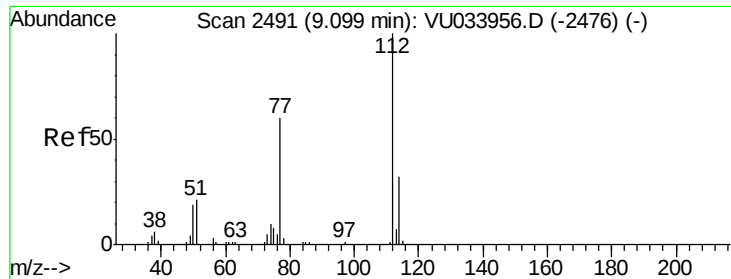
MMDadoda
8/27/2019 12:17:10 PM



#64
Tetrachloroethene
Concen: 142.512 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	714285		
166	127.6		101.4	152.2
129	94.6		76.6	114.8
131	90.6		72.2	108.4





#65

Chlorobenzene

Concen: 146.071 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2305766

Ion Ratio Lower Upper

112 100

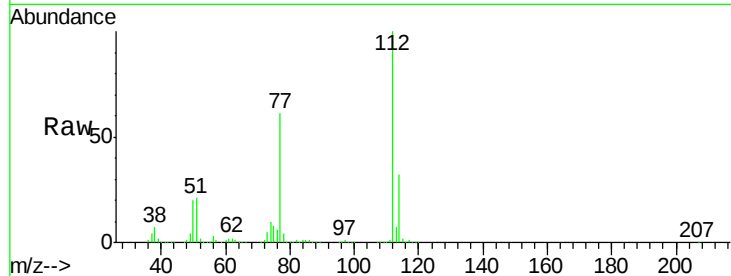
114 31.6 25.4 38.2

Manual Integrations

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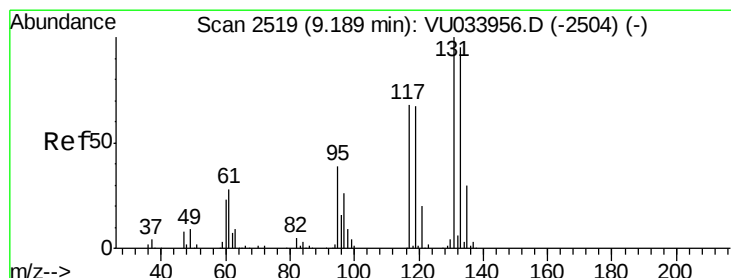
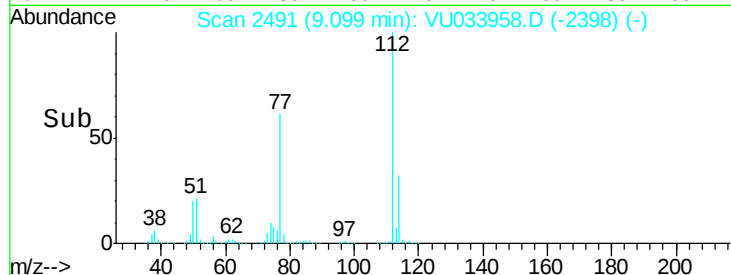
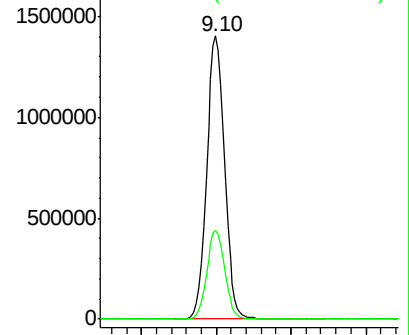
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 169.049 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

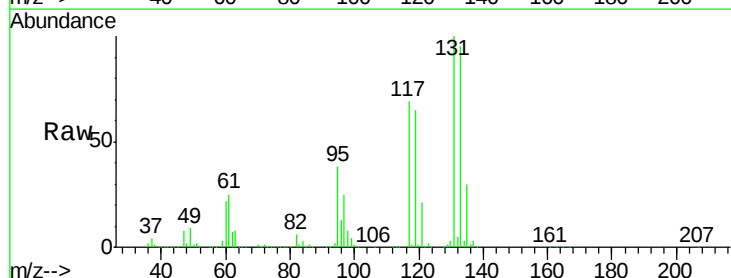
Tgt Ion:131 Resp: 867999

Ion Ratio Lower Upper

131 100

133 95.0 47.7 143.1

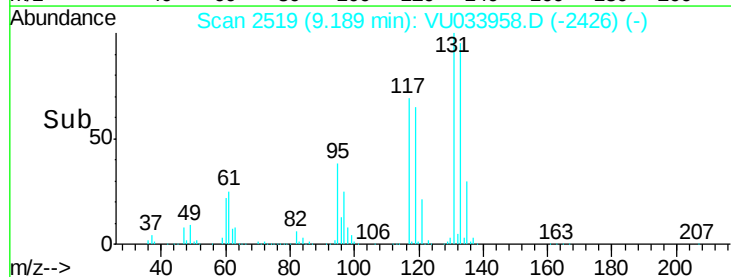
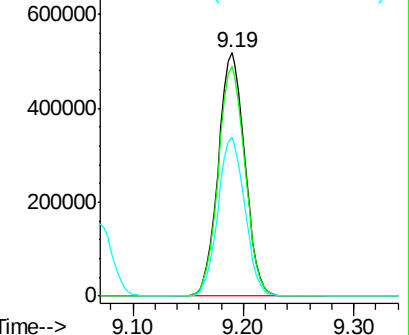
119 65.5 33.3 99.8

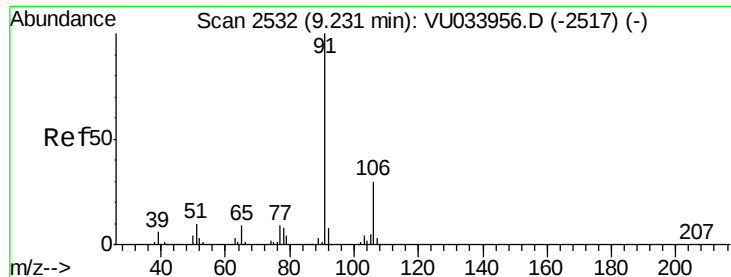


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 143.272 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4128567

Ion Ratio Lower Upper

91 100

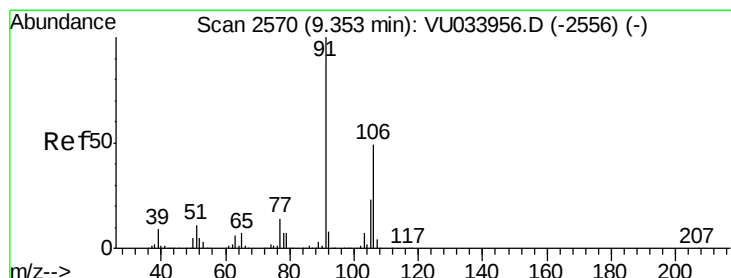
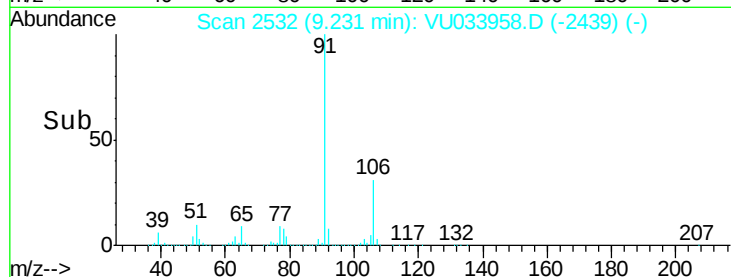
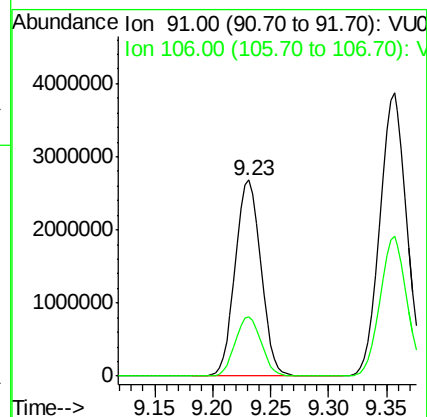
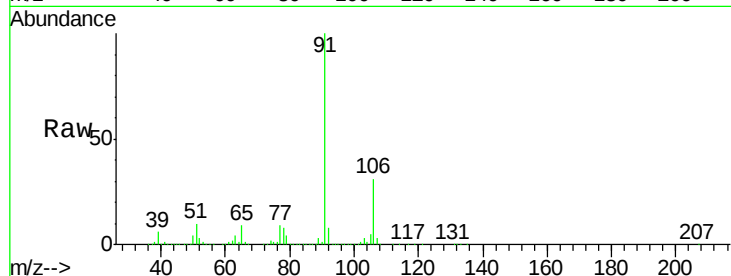
106 30.6 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 294.914 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033958.D

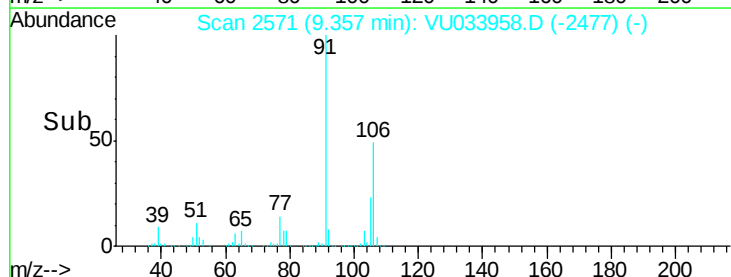
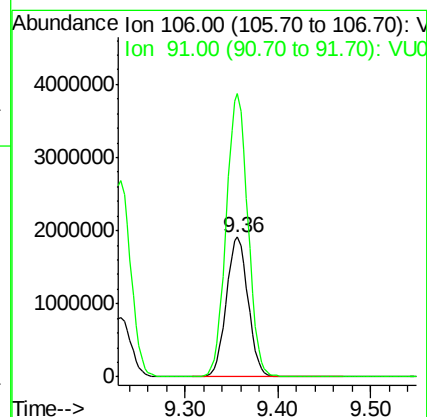
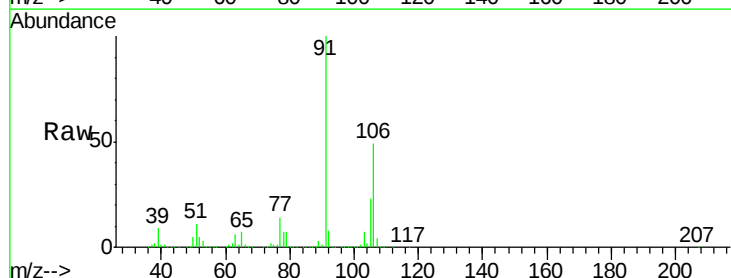
Acq: 26 Aug 2019 18:37

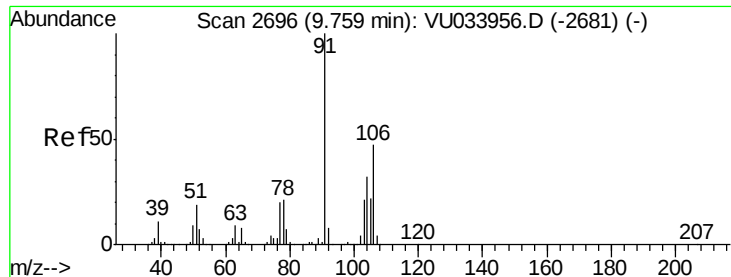
Tgt Ion: 106 Resp: 3100029

Ion Ratio Lower Upper

106 100

91 202.6 163.8 245.6





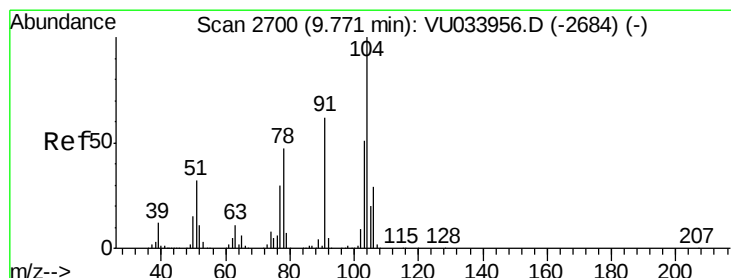
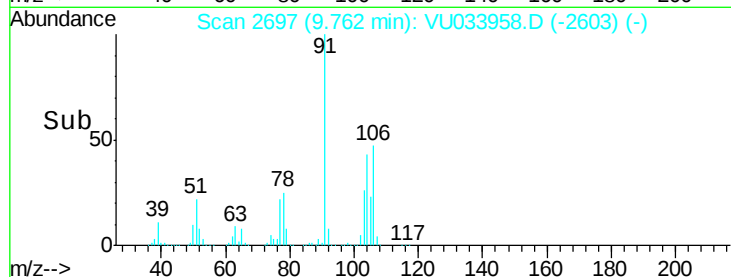
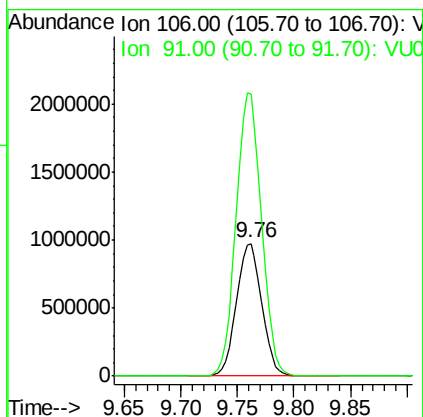
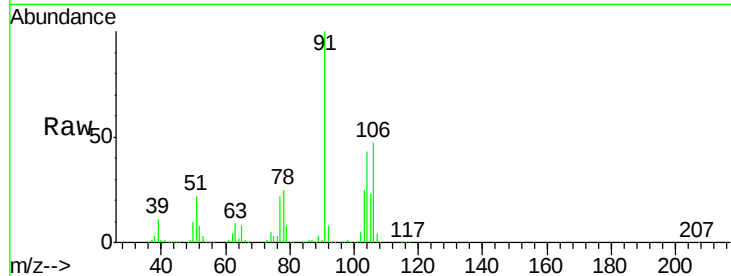
#69
o-Xylene
Concen: 149.478 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1522868
Ion Ratio Lower Upper
106 100
91 214.5 106.9 320.7

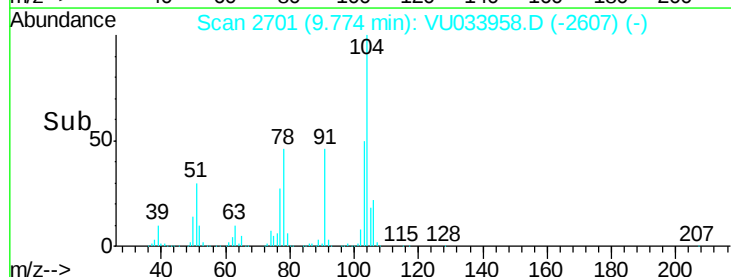
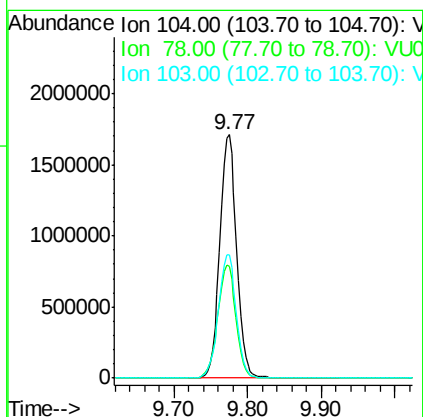
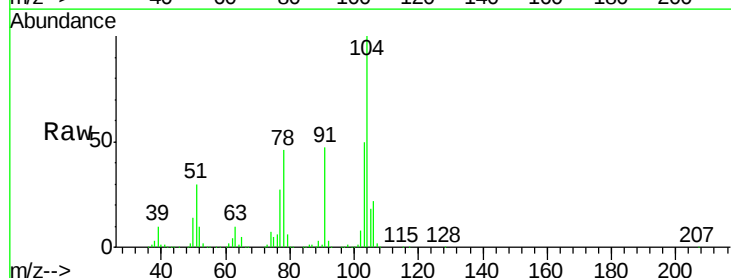
Manual Integrations
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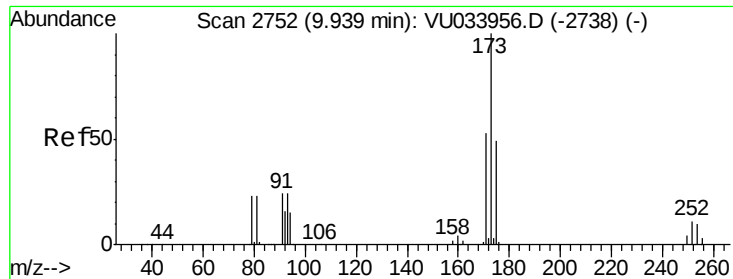
MMDadoda
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#70
Styrene
Concen: 158.587 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion:104 Resp: 2705731
Ion Ratio Lower Upper
104 100
78 50.2 40.4 60.6
103 54.0 43.8 65.6





#71

Bromoform

Concen: 183.353 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 800685

Ion Ratio Lower Upper

173 100

175 48.7 24.8 74.3

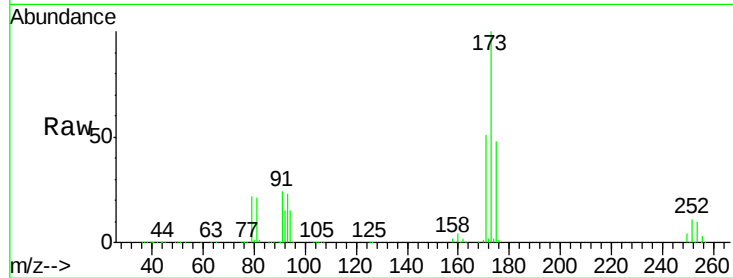
254 0.1 0.1 0.1#

Manual Integrations

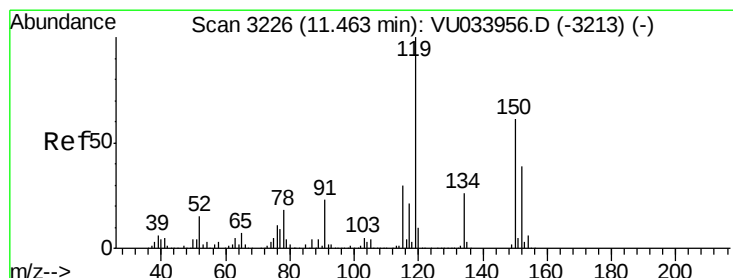
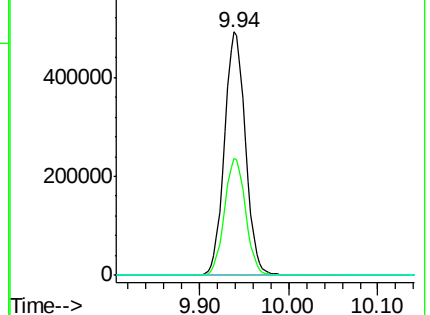
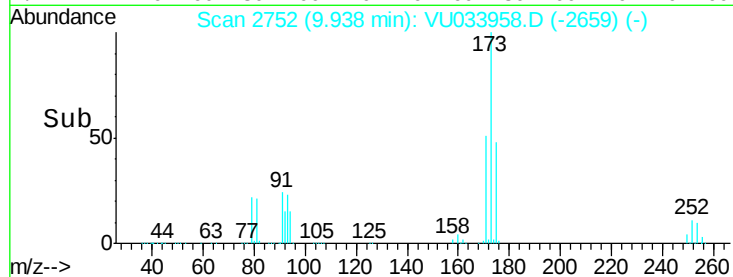
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

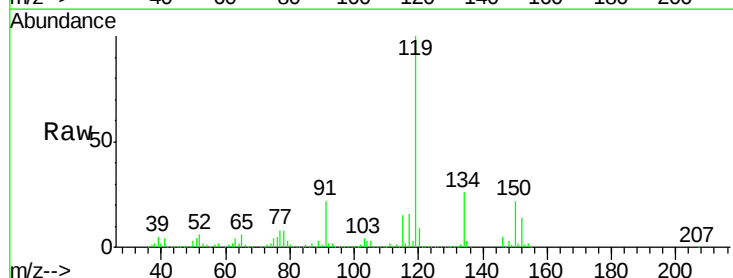
Tgt Ion:152 Resp: 407629

Ion Ratio Lower Upper

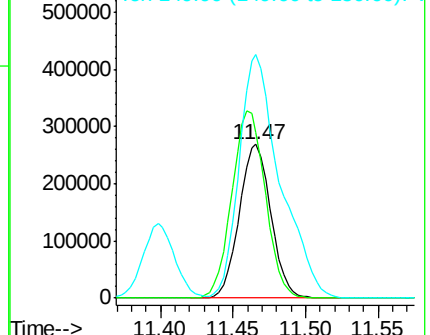
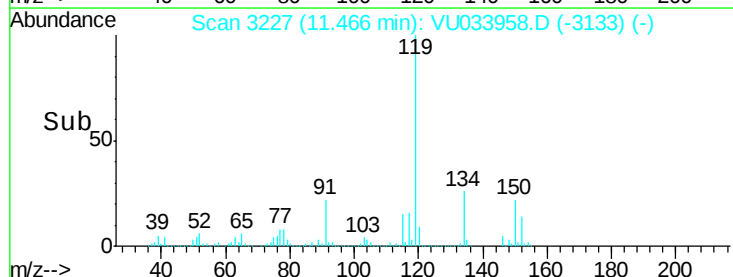
152 100

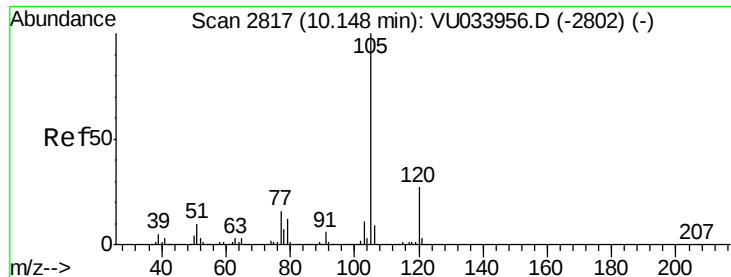
115 128.6 40.3 120.9#

150 205.3 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 135.428 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4146139

Ion Ratio Lower Upper

105 100

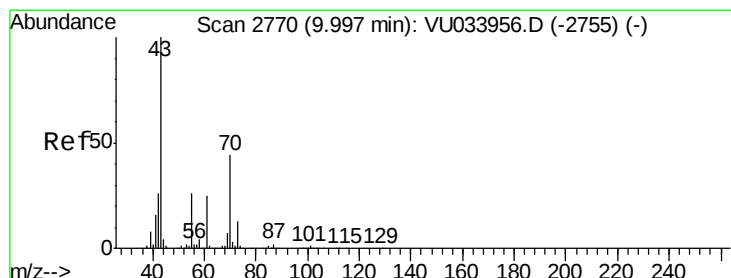
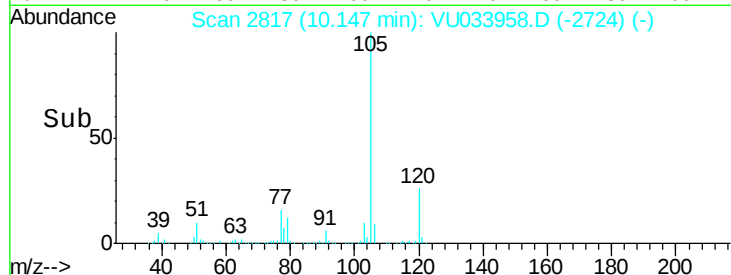
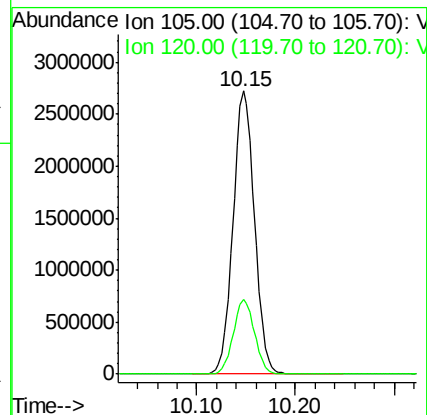
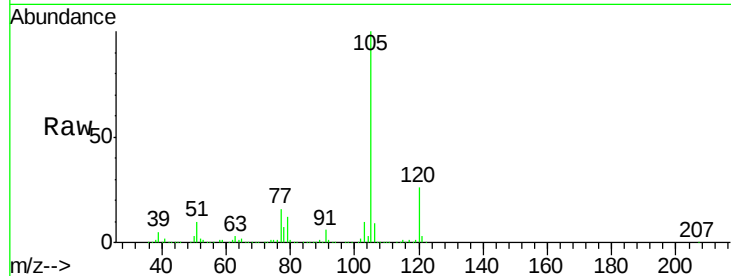
120 26.2 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 125.084 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion: 43 Resp: 2142061

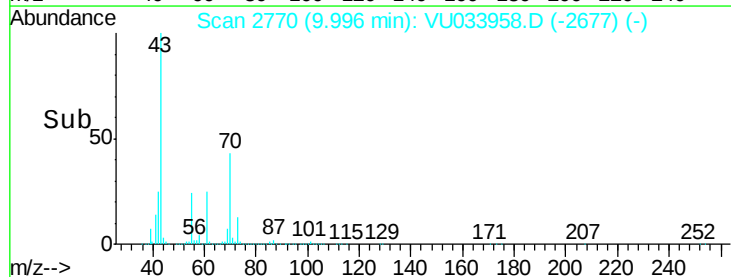
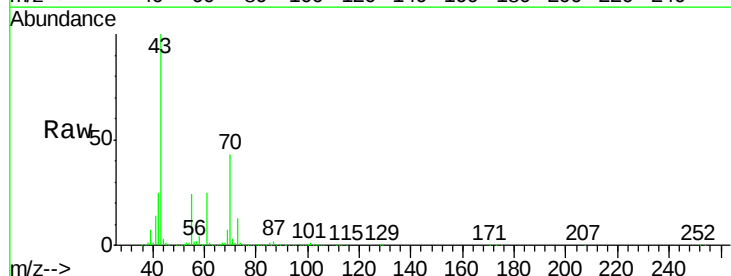
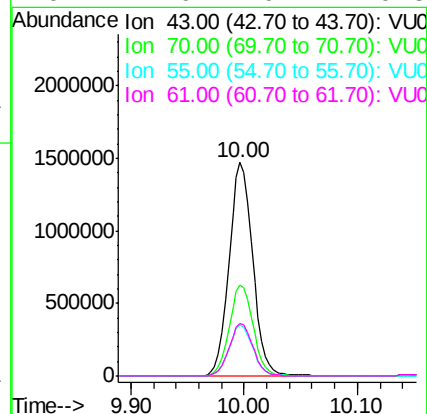
Ion Ratio Lower Upper

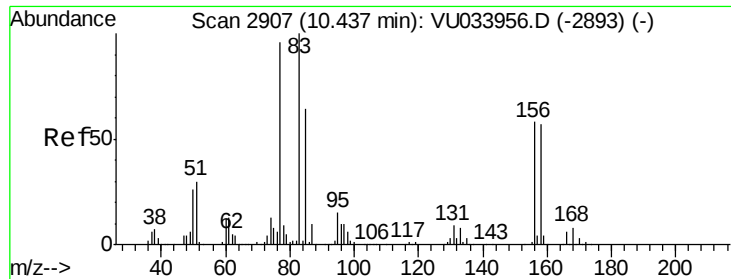
43 100

70 43.2 34.5 51.7

55 24.3 20.9 31.3

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 133.954 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1574240

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

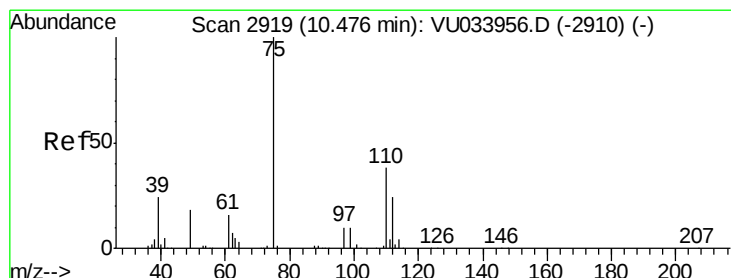
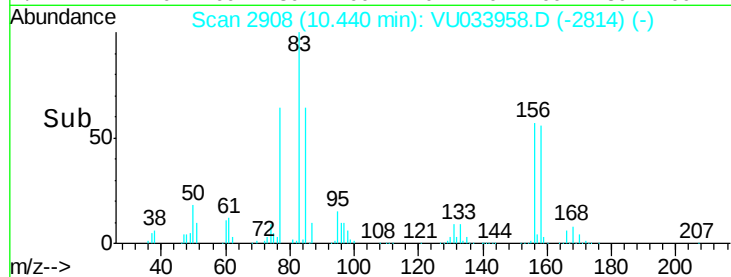
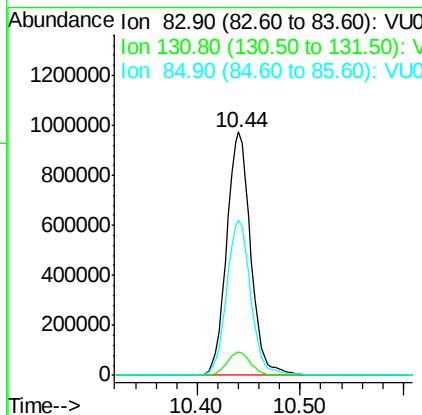
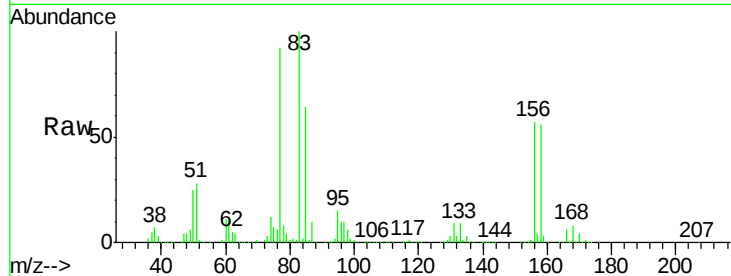
85 64.3 32.4 97.0

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 136.598 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033958.D

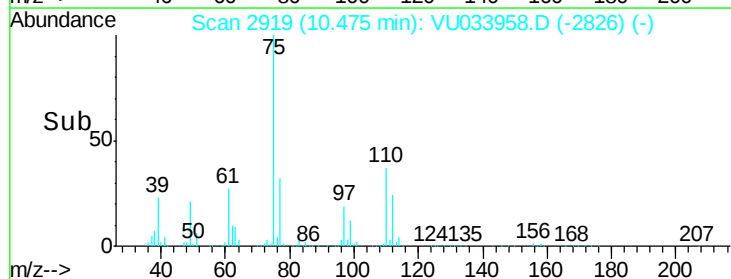
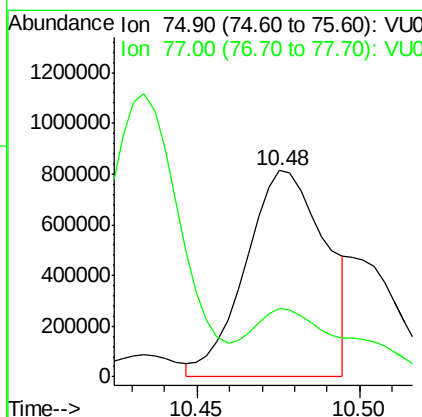
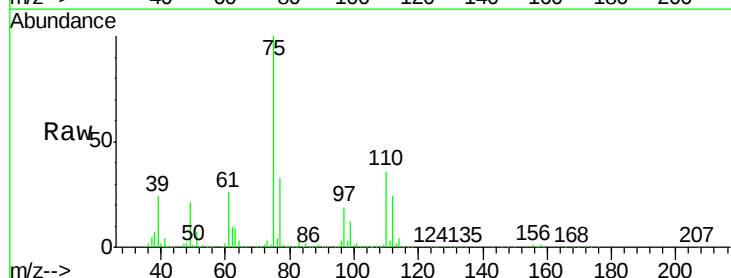
Acq: 26 Aug 2019 18:37

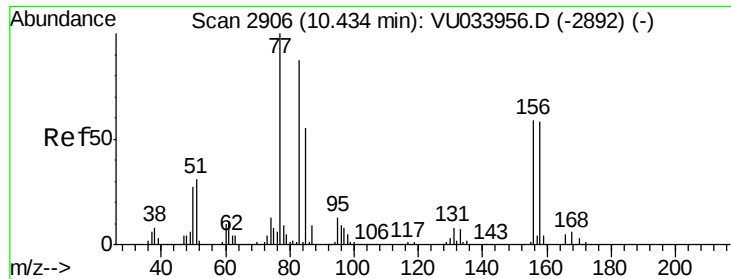
Tgt Ion: 75 Resp: 1395831

Ion Ratio Lower Upper

75 100

77 42.9 20.1 60.3





#77

Bromobenzene

Concen: 144.781 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1046903

Ion Ratio Lower Upper

156 100

77 168.3 85.3 255.8

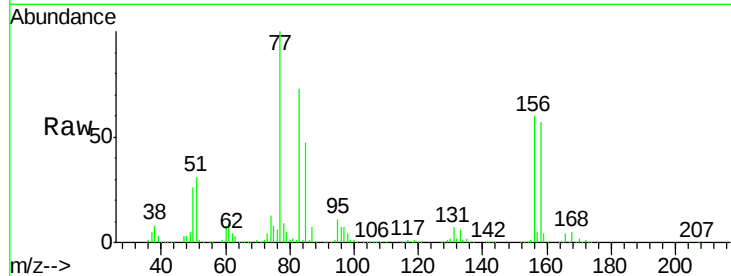
158 96.8 48.9 146.7

Manual Integrations

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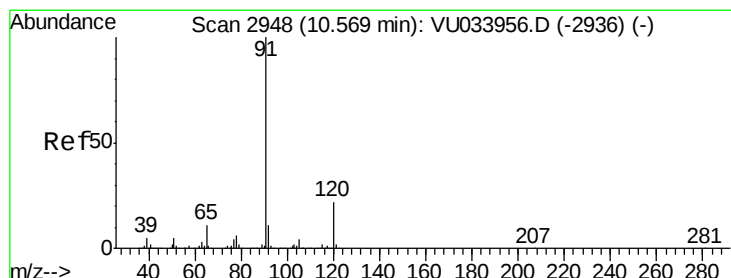
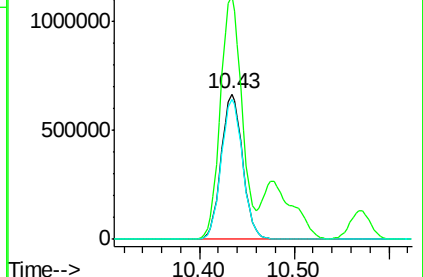
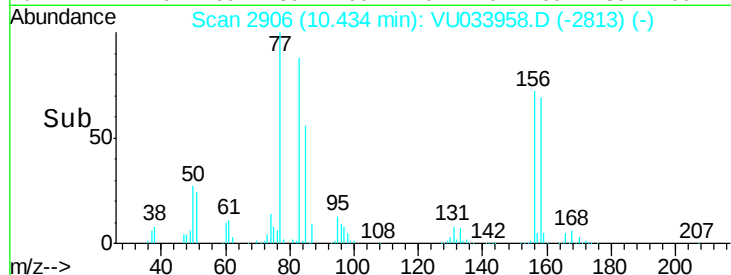
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 131.619 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033958.D

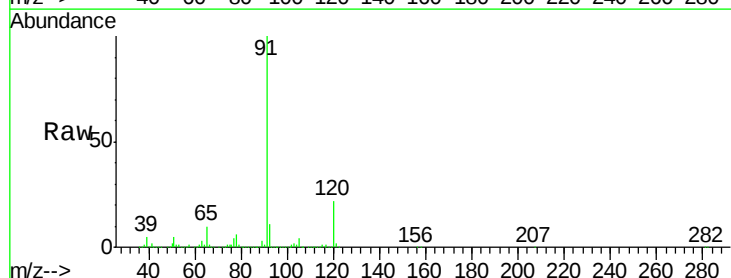
Acq: 26 Aug 2019 18:37

Tgt Ion: 91 Resp: 4982846

Ion Ratio Lower Upper

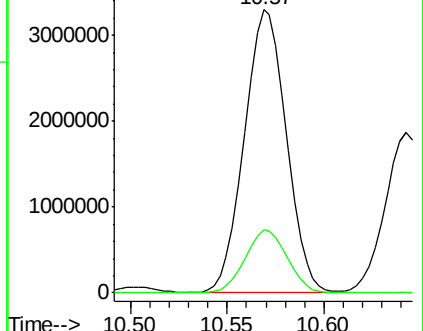
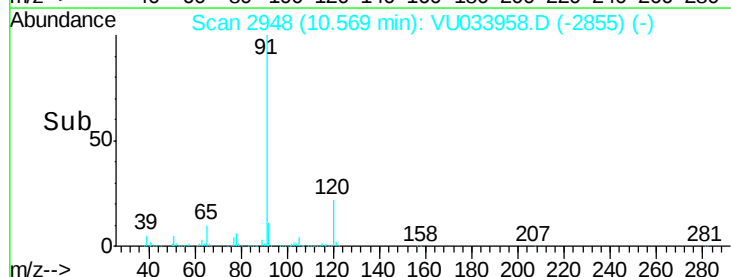
91 100

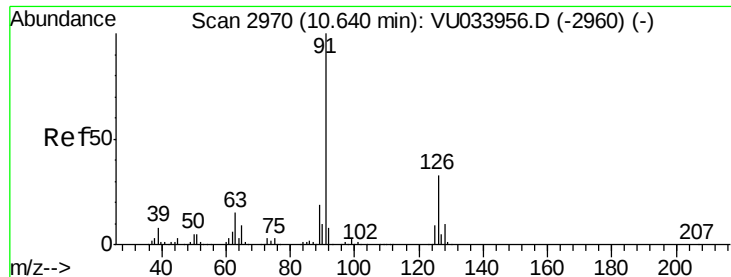
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 131.306 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2864057

Ion Ratio Lower Upper

91 100

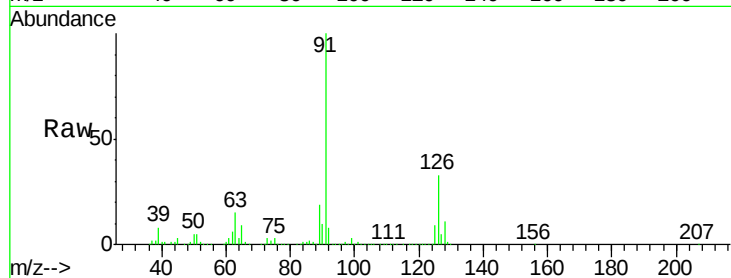
126 33.4 16.8 50.3

Manual Integrations

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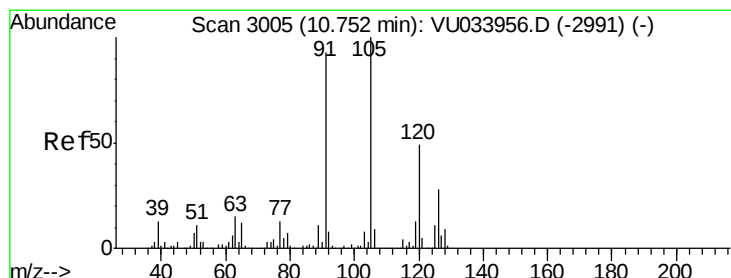
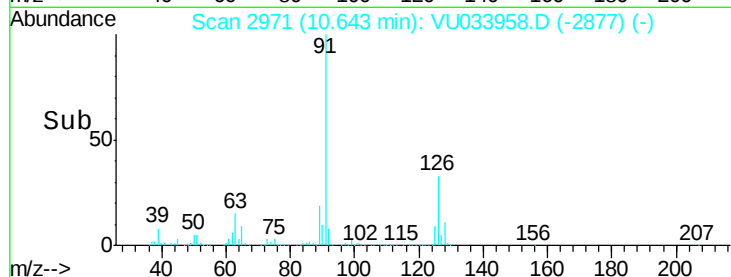
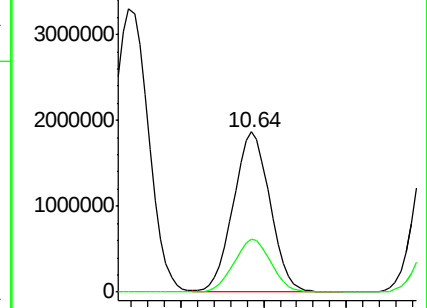
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Abundance Ion 91.00 (90.70 to 91.70): VU033956.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033956.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 141.933 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033958.D

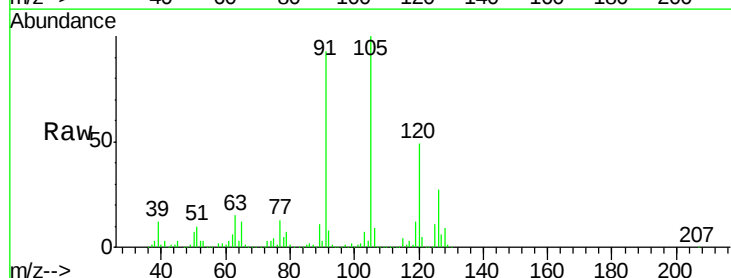
Acq: 26 Aug 2019 18:37

Tgt Ion:105 Resp: 3607541

Ion Ratio Lower Upper

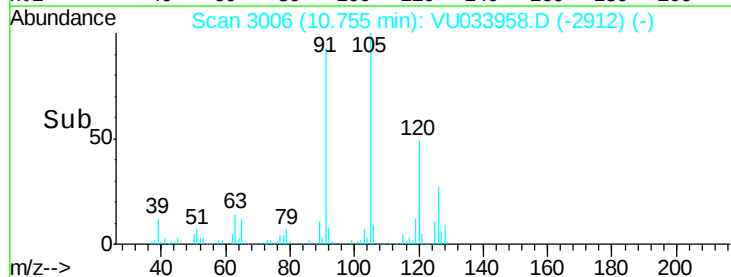
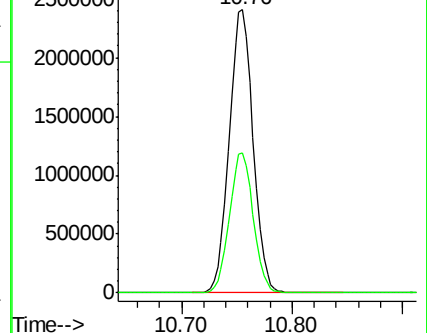
105 100

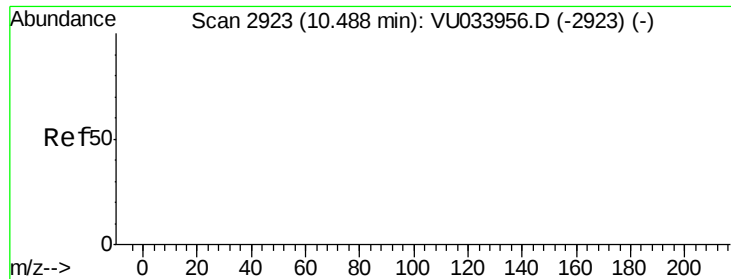
120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033956.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033956.D (-2991) (-)





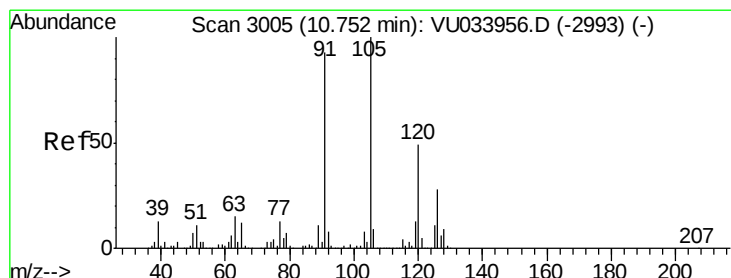
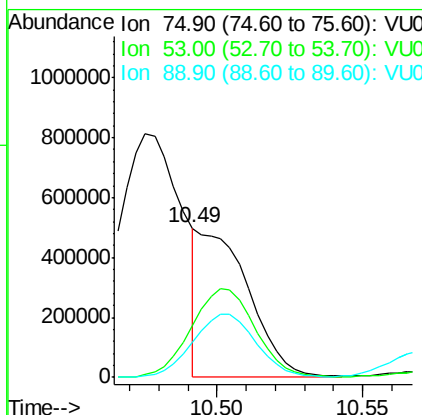
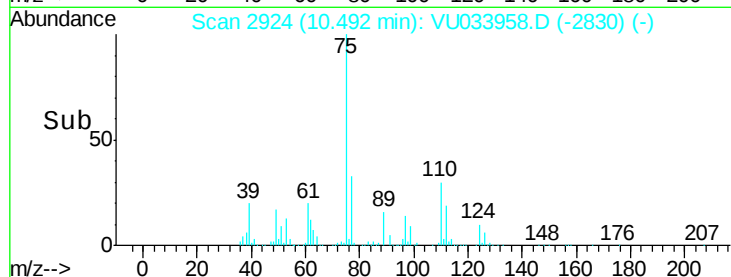
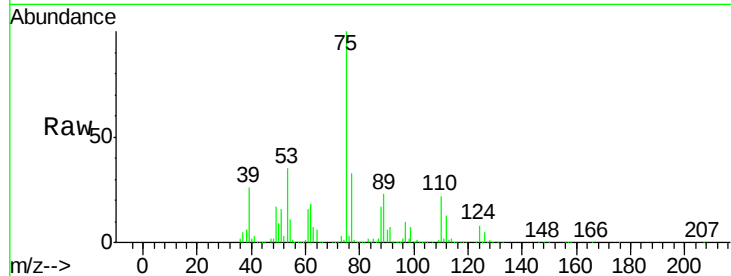
#81
trans-1,4-Dichloro-2-butene
Concen: 133.075 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

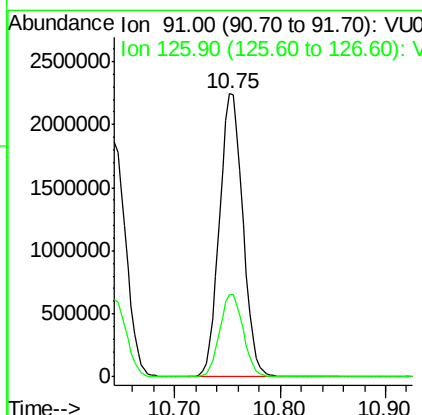
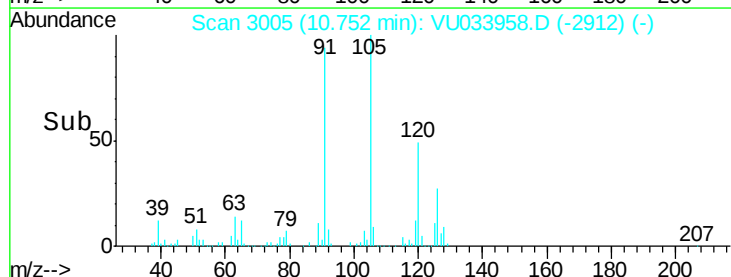
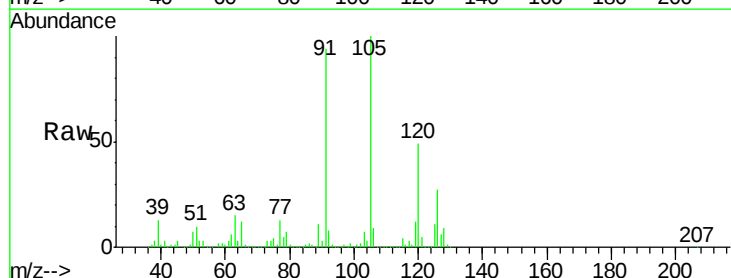
Manual Integrations
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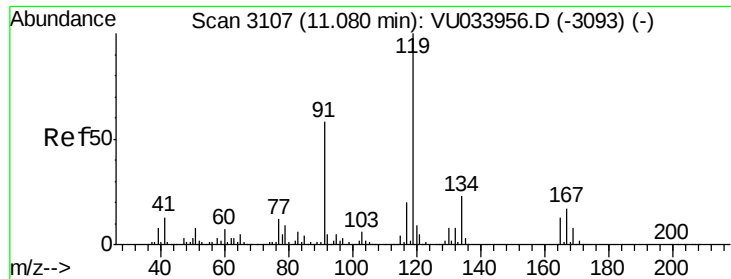
MMDadoda
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#82
4-Chlorotoluene
Concen: 132.902 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





#83

tert-Butylbenzene

Concen: 144.456 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 3530625

Ion Ratio Lower Upper

119 100

91 56.8 28.6 85.8

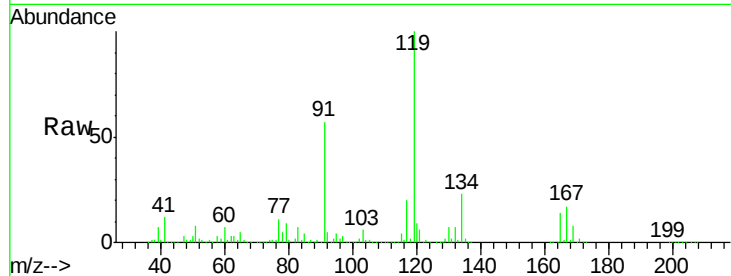
134 23.2 11.7 35.0

Manual Integrations

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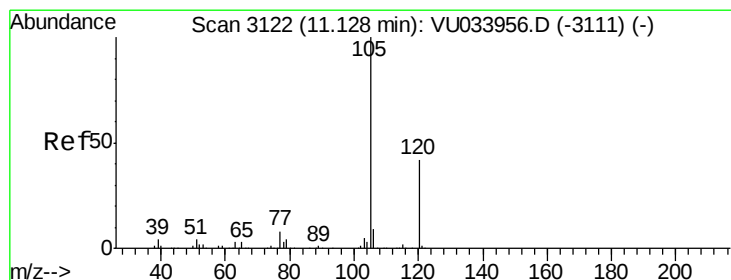
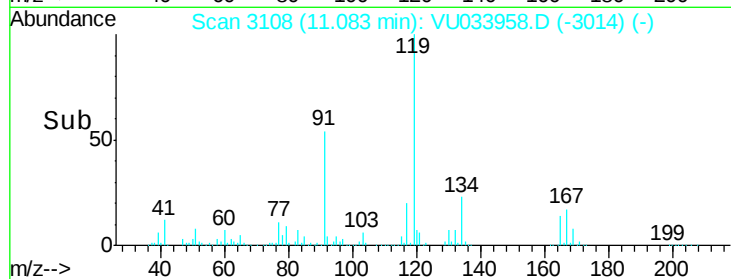
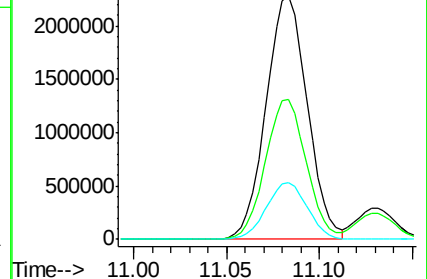
8/27/2019 12:17:10 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 139.068 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033958.D

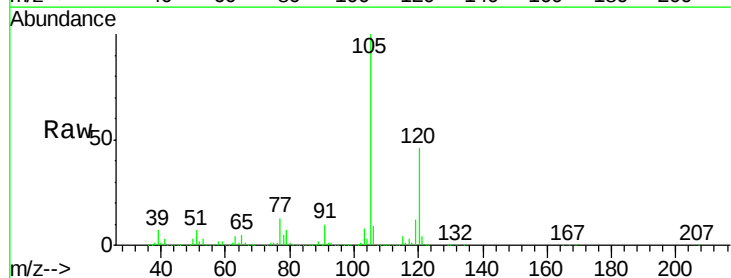
Acq: 26 Aug 2019 18:37

Tgt Ion:105 Resp: 3634896

Ion Ratio Lower Upper

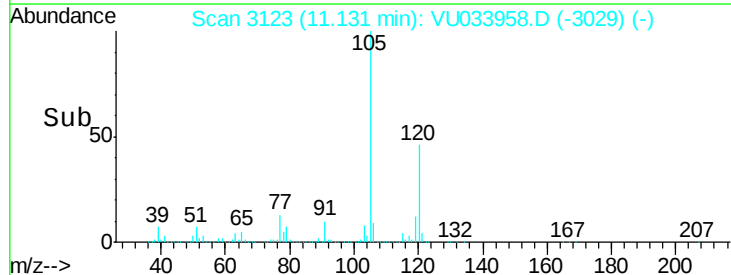
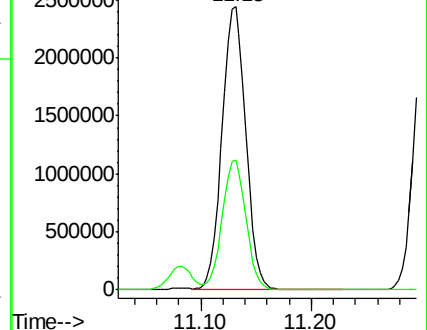
105 100

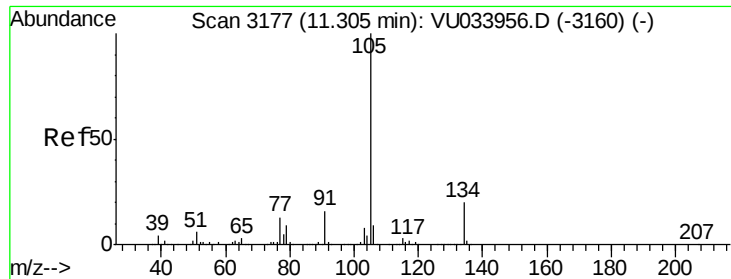
120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





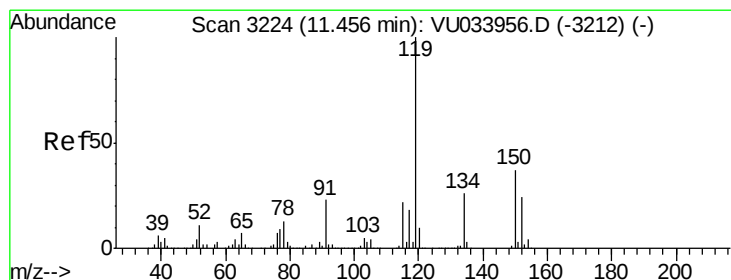
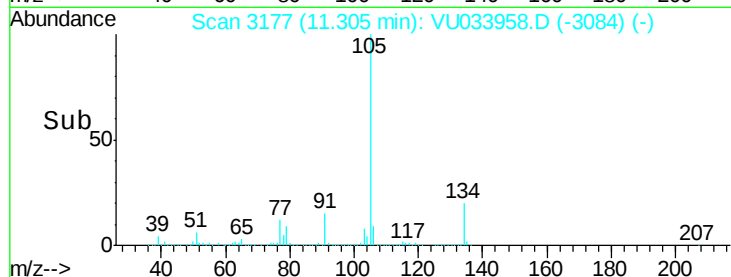
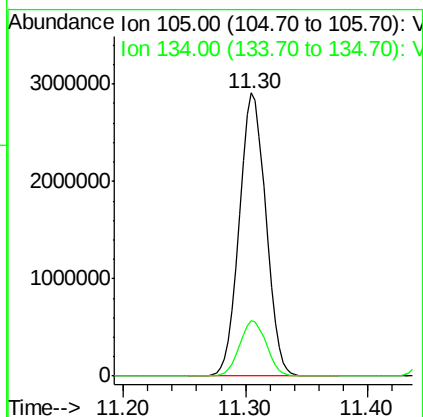
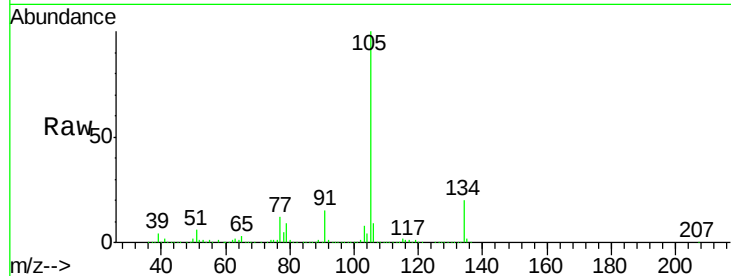
#85
 sec-Butylbenzene
 Concen: 139.470 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 4355372
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1

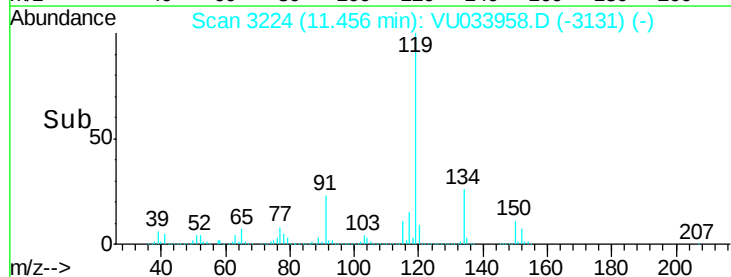
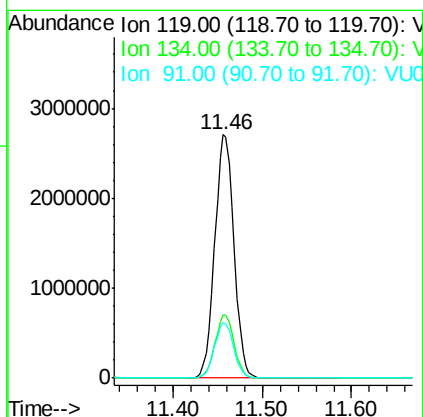
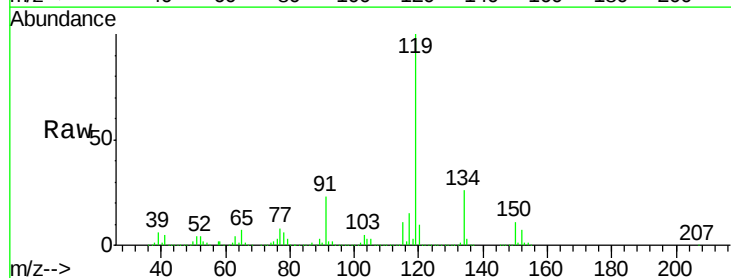
Manual Integrations
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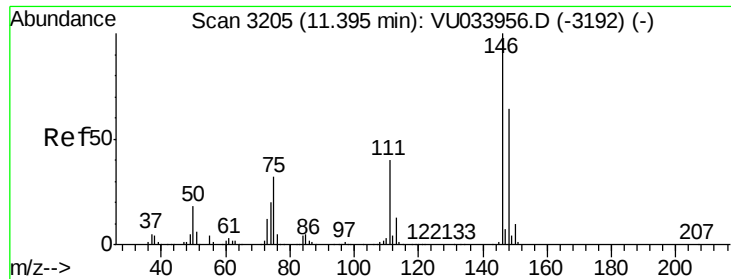
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#86
 p-Isopropyltoluene
 Concen: 149.069 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:119 Resp: 4008409
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 22.8 11.6 34.7





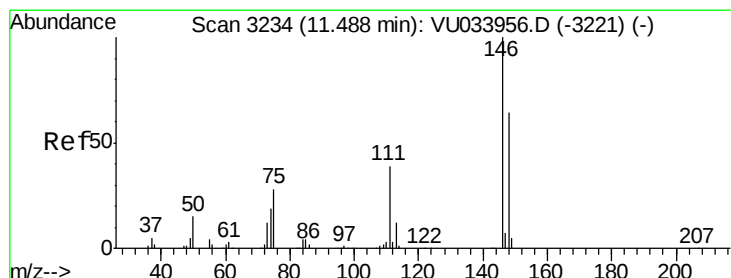
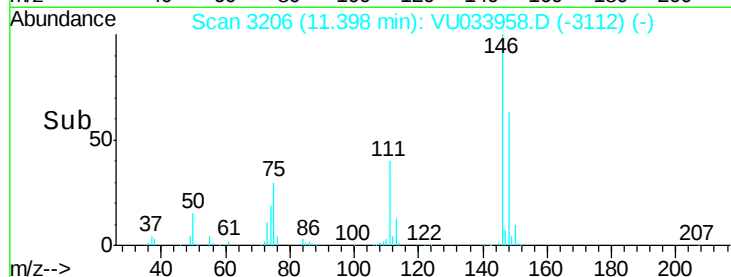
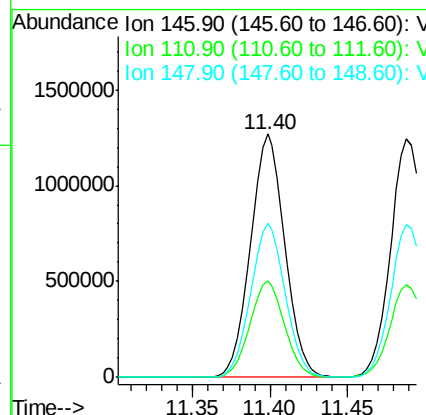
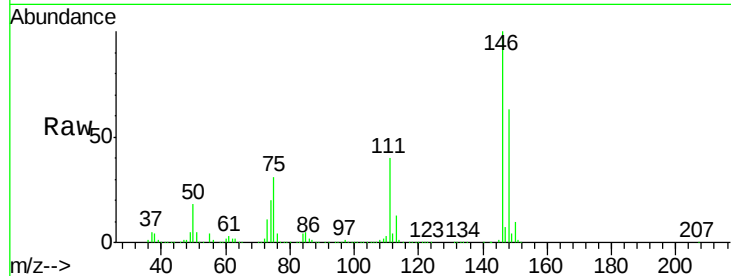
#87
 1,3-Dichlorobenzene
 Concen: 143.433 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1960472
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.1 60.2
 148 63.7 31.8 95.4

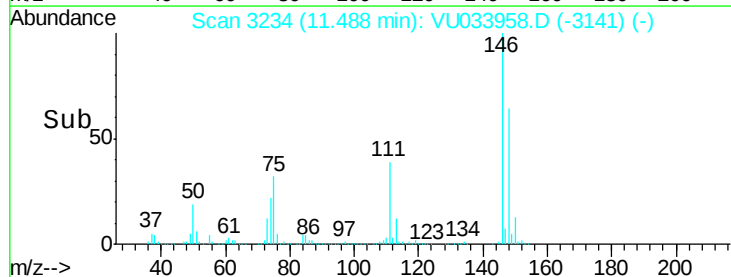
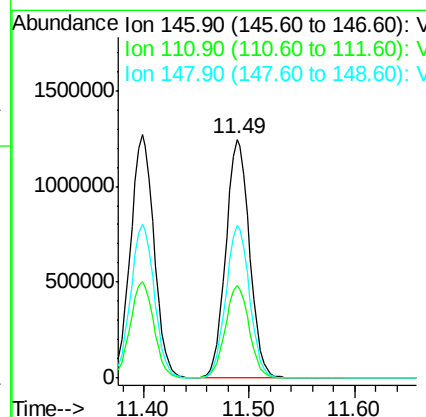
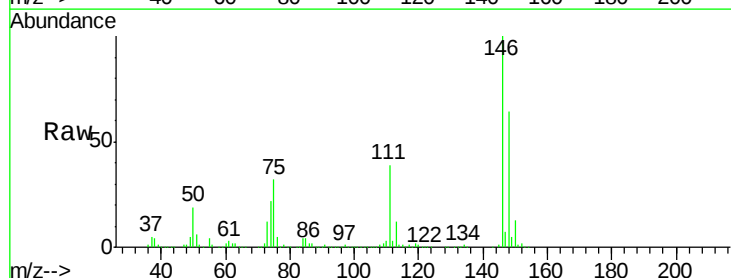
Manual Integrations
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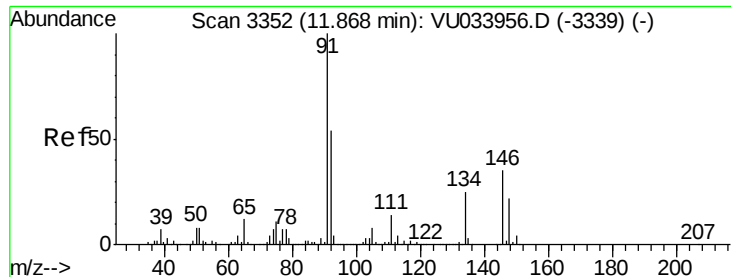
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#88
 1,4-Dichlorobenzene
 Concen: 136.541 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:146 Resp: 1926965
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.8 59.4
 148 64.0 32.2 96.6





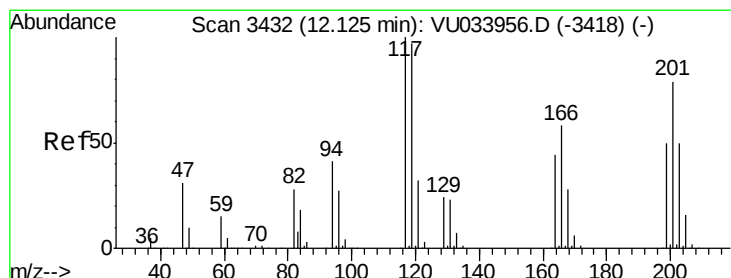
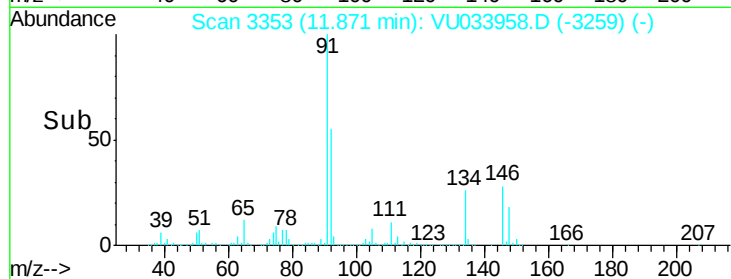
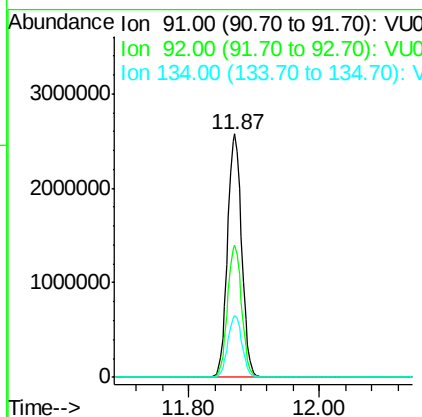
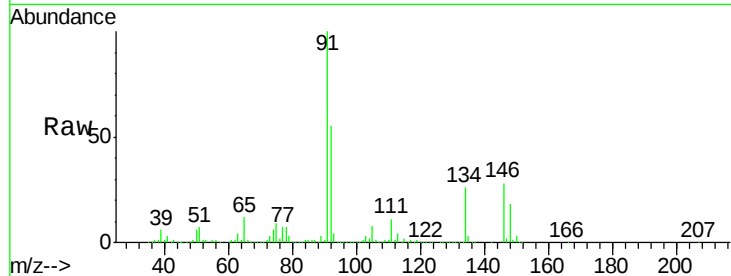
#89
n-Butylbenzene
Concen: 142.770 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3837233
Ion Ratio Lower Upper
91 100
92 54.4 26.9 80.6
134 25.5 12.6 37.6

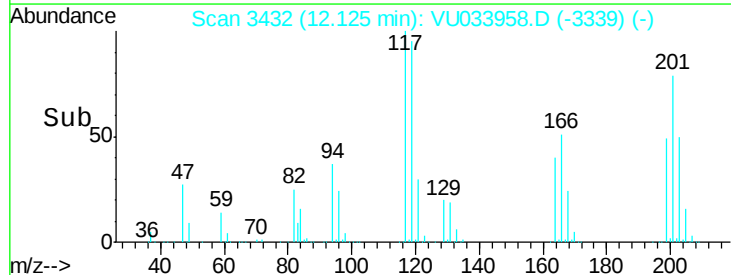
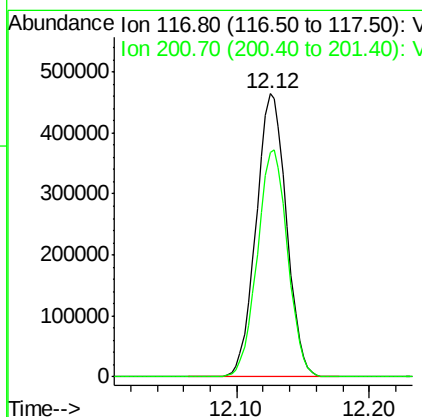
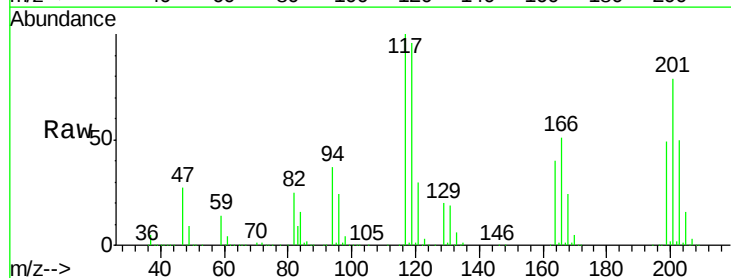
Manual Integrations
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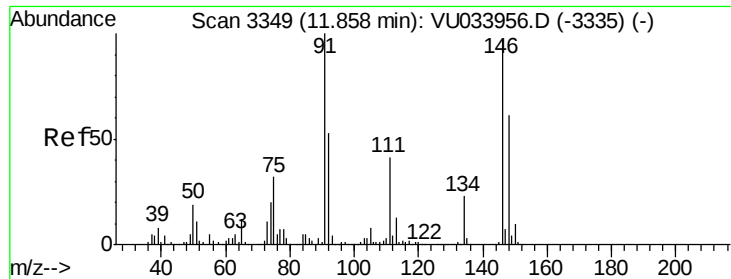
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#90
Hexachloroethane
Concen: 177.151 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 117 Resp: 738616
Ion Ratio Lower Upper
117 100
201 80.0 39.6 118.7





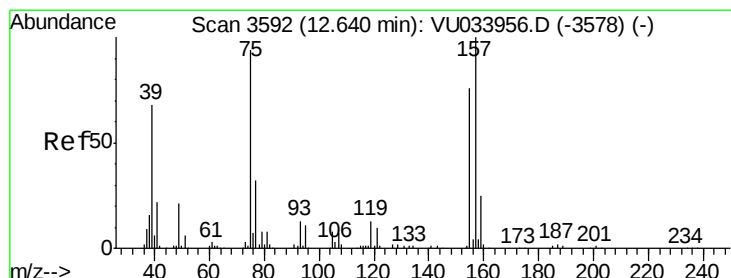
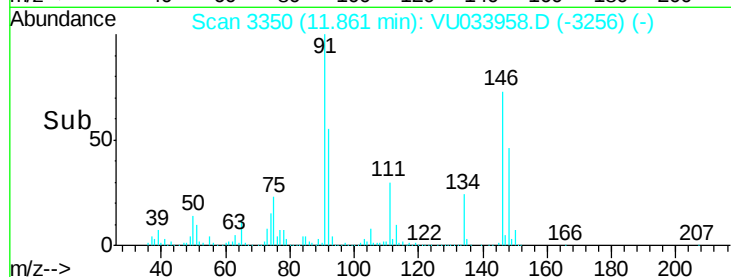
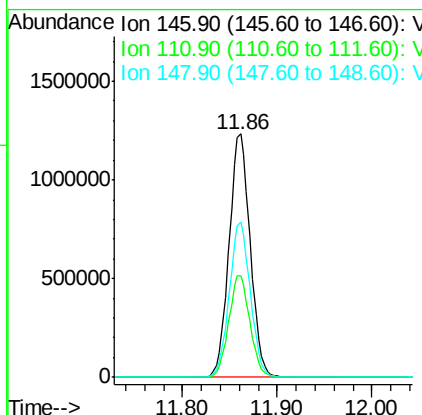
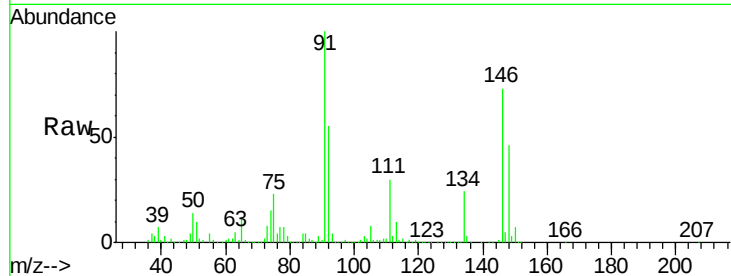
#91
 1,2-Dichlorobenzene
 Concen: 140.393 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.7	31.7	95.1

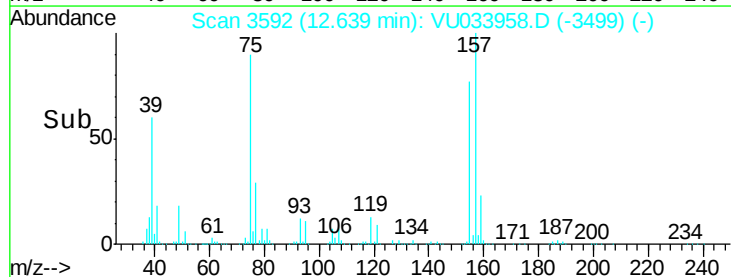
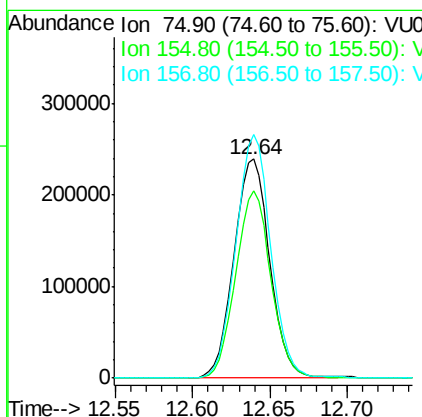
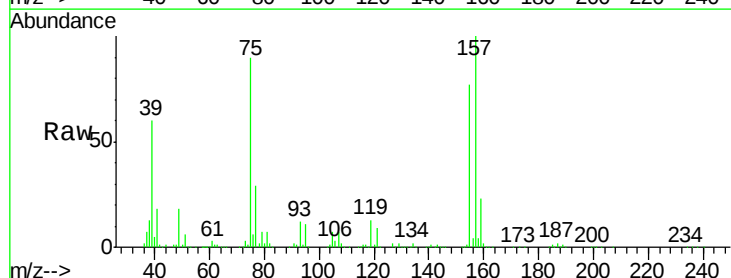
Manual Integrations
 APPROVED

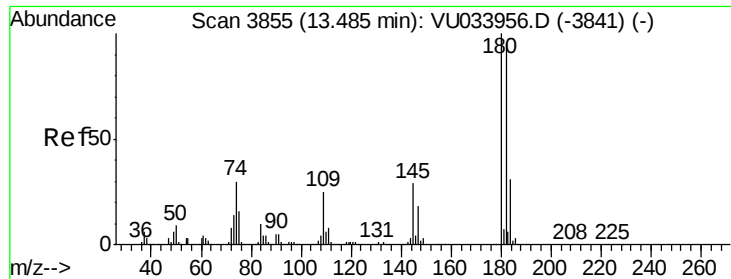
MMDadoda
 8/27/2019 12:17:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.389 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.0	119.9
157	108.4	51.9	155.7





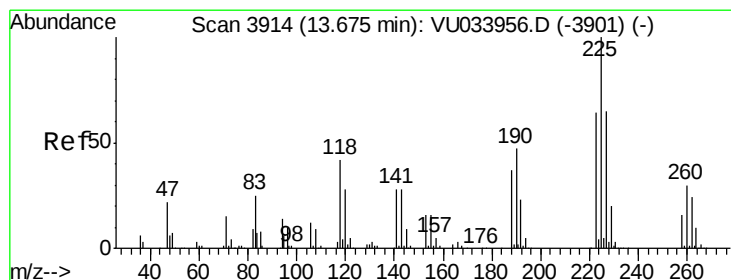
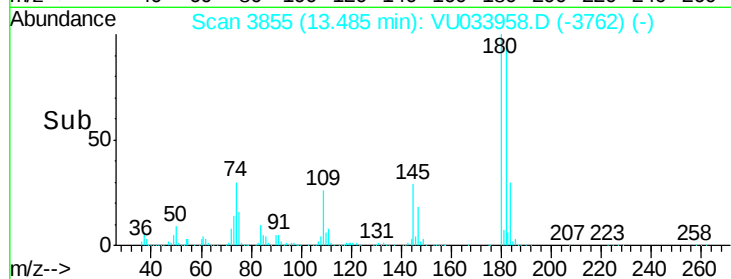
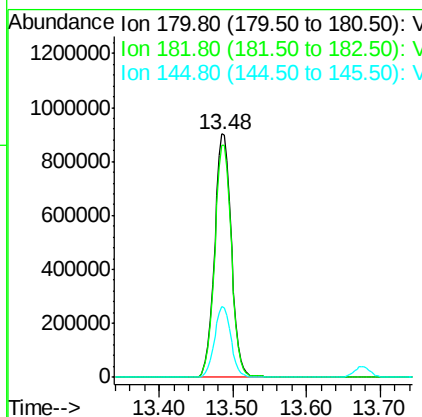
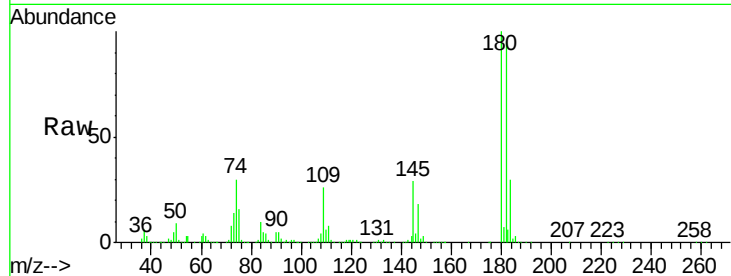
#93
 1,2,4-Trichlorobenzene
 Concen: 145.251 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1414632
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.3
 145 28.8 14.2 42.8

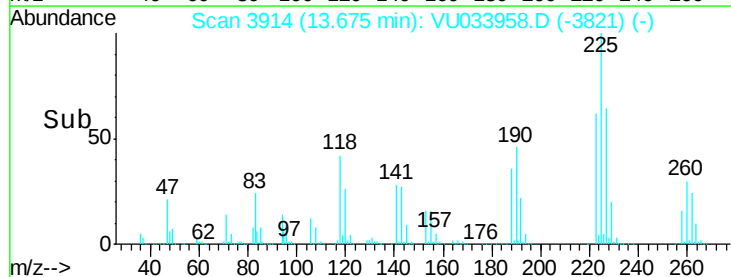
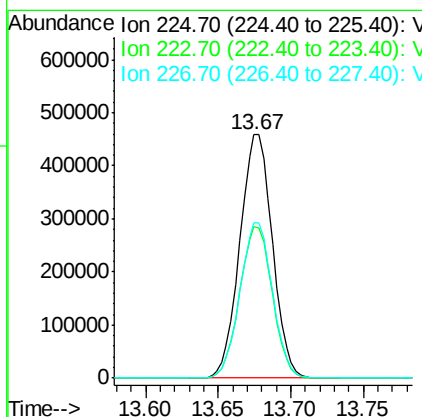
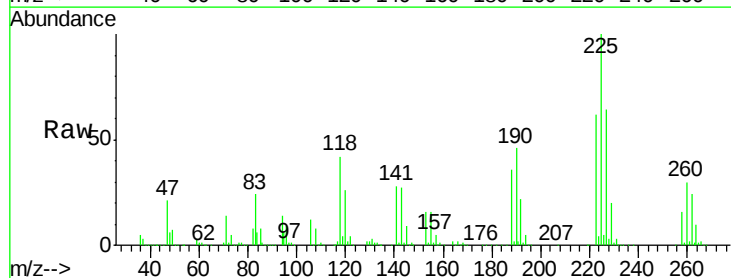
Manual Integrations
 APPROVED

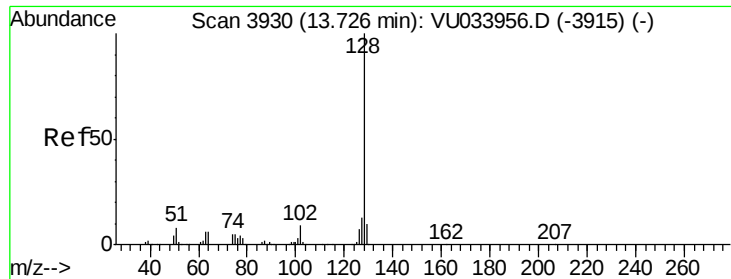
MMDadoda
 8/27/2019 12:17:10 PM



#94
 Hexachlorobutadiene
 Concen: 157.209 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:225 Resp: 717148
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 63.6 32.3 96.8





#95

Naphthalene

Concen: 135.625 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 4328765

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

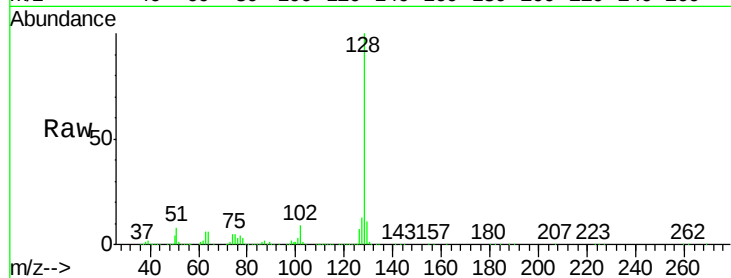
129 10.7 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

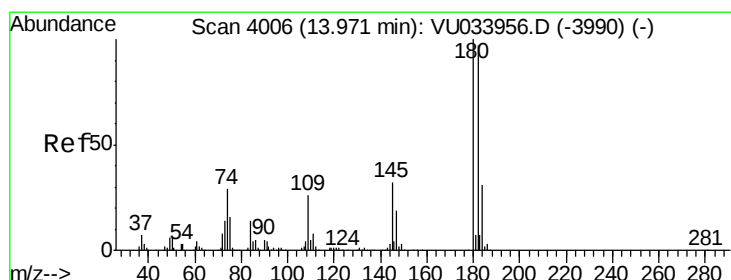
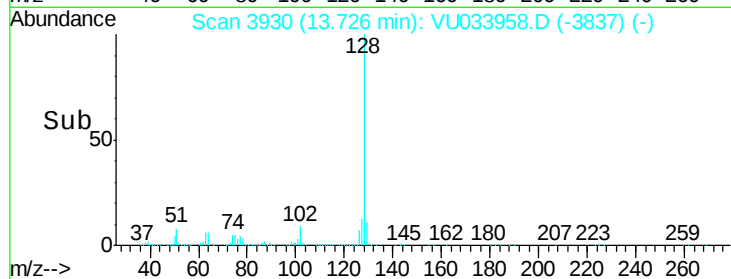
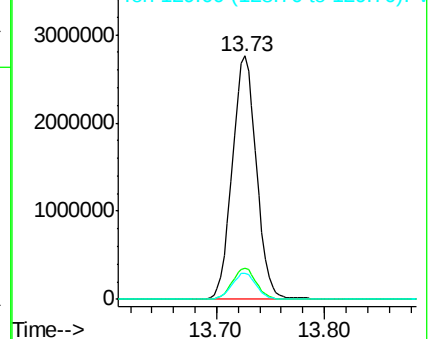
8/27/2019 12:17:10 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 140.584 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

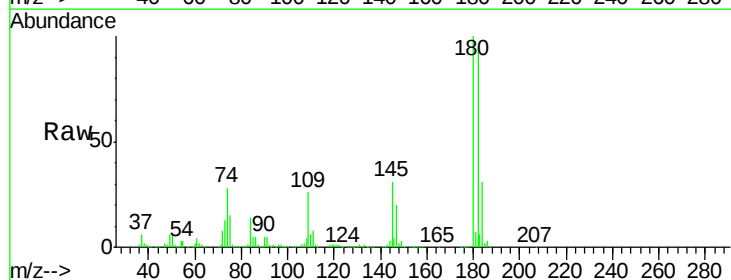
Tgt Ion:180 Resp: 1372642

Ion Ratio Lower Upper

180 100

182 95.4 48.6 145.8

145 31.3 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

